Montana Department of
ENVIRONMENTAL QUALITY

Brian Schweitzer, Governor

P.O. Box 200901 • Helena, MT 59620-0901 • (406) 444-2544 • www.deq.mt.gov

MAILED
12-16-08

December 16, 2008

Mr. Gary Keeler, *Manager*
BUTTE-SILVER BOW LANDFILL
126 West Granite Street
Butte, MT 59701-9216

RE: **CLOSED BUTTE-SILVER BOW COUNTY LANDFILL – LICENSE #20**
BUTTE-SILVER BOW OLD LANDFILL FACILITY GROUNDWATER SAMPLING AND ANALYSIS PLAN (SAP) REVIEW
OLD SILVER BOW LANDFILL SEPTEMBER 2007, MARCH 2008, AND SEPTEMBER 2008 GROUNDWATER MONITORING RESULTS REVIEW

Dear Mr. Keeler:

The Department has reviewed the above noted reports for the closed Butte-Silver Bow County Class II Landfill. Thank you for you patience regarding the Department's response to your submittals.

In regards to the review of the SAP, please address the comments below and submit a revised document to the Department by March 16, 2009:

- A description of well access procedures should be included in Section 3.1; including how well keys can be obtained, and what notification or permission is required to access the well located on private property (CLK-1).
- In Section 3.1, state that the wells should be sampled in the order listed in Table 1.
- The use of bailers for monitoring well purging and sampling is discouraged unless absolutely necessary (less than 5 feet of water in the well and recovery rate less than 0.05 gpm). The Department suggests the facility consider an alternate sampling method for future sampling events, and if the use of bailers is determined to be necessary, double check valve bailers should be used to provide the best possible analytical results. Please revise Sections 3.2 and 3.3 as necessary.
- Field parameters should be recorded at regular intervals, at least once every well volume, and purging should continue until field parameters have stabilized. Stabilization is defined as three consecutive readings of Temperature, pH, and Specific Conductance within 10%. Please revise Sections 3.2 and 3.3 as necessary.
- The Department approves the proposed semi-annual sampling for VOCs at BSB-A6R.
- Section 3.3.2 should state that the samples should be shipped or delivered to the laboratory by the next business day following sampling. Also, please change the sample temperature requirement to 4±2° Celsius.
- The Department suggests that a form be developed to record the purging and sampling information in a consistent format. This form should be referenced in Section 3.3.5 and a copy included in Appendix A.

- Purge water with contamination above human health standards should not be disposed of in high use areas such as a park or on private property. Please revise Section 3.3.6 to describe how contaminated purge water from BSB-A6R and CLK-1 will be handled.
- Please revise the DEQ contact information in Section 4.0 to the following:

  Solid Waste Program
  Montana Department of Environmental Quality
  P.O. Box 200901
  Helena, MT 59620-0901
  Fax: 406-444-1374
- The distribution of the background data (normal, ln-normal, or non-normal) should be determined for each analyte prior to statistical analysis. A parametric analysis is only valid if the assumption of a normal distribution is met. If data is ln-normal the parametric analysis should be performed on transformed data. A non-parametric statistical analysis should be used if data is non-normal. Please revise Section 9.0 to describe a compete procedure for selecting the statistical analysis to be performed, and the types of statistical analyses that may be used. Note that the specific test to be performed does not need to be listed in the SAP, as the test chosen may vary based on the distribution of the data and the analyte concentrations. The goal of the statistical analysis for analytes that are the subjects of corrective action (i.e. those that exceed groundwater protection standards) is to evaluate the performance of the selected remedy, whereas the goal of statistical analysis for all other analytes is to detect statistically significant increases over background water quality.
- In Section 10.0, please change the DEQ contact to "MDEQ Solid Waste Program" and include a statement that the report should be submitted within 90 days of sampling as required by ARM 17.50.708(15). Please add a bullet stating that the report should also include a narrative of the sampling event specifically noting any deviations from the SAP.
- Because contaminated groundwater is being sampled at the facility, the SAP should include a Health and Safety Plan that meets the requirements of ARM 17.50.708(1)(c). Some of the required health and safety information is included in Section 3.3.6, however all of this information should be compiled in a separate Health and Safety Plan Section.

The groundwater monitoring reports meet the requirements of the Administrative Rules of Montana (ARM) Section 17.50.708 with the following exceptions:

- ARM 17.50.708(4)(a) requires that the rate of groundwater flow must be determined each time a well is sampled. Please included a calculation of groundwater velocity in future reports.
- The statistical analyses used do not include a confidence level that is protective of human health and the environment. The statistical analyses should compare the data for the current sampling event only to the background dataset, and analyze temporal trends for data that statistically exceed background levels. The Department suggests the facility review the current statistical analyses to determine its compliance with the requirements of ARM 17.50.708(12) and (13).
- Vinyl Chloride exceeds the groundwater protection standard at BSB-A6R, but was not included on the historical concentration plots. At a minimum, the historical concentration plots should include all parameters that statistically exceed background values. However, preparing historical concentration plots for <u>all detected</u> parameters can be a useful tool for analyzing changes in groundwater quality at the facility over time.
- The required holding times were exceeded for Specific Conductivity and pH at CLK-1 (BSB-GW-05) in September 2007; and for Cyanide at BSB-A1 (BSB-GW-02), BSB-A6R (BSB-GW-

04), BSB-A5 (BSB-GW-03), and MBMG-2 (BSB-GW-01) in March 2008. Data from samples that are analyzed after the required holding time are not legally defensible. The laboratory is responsible for ensuring all samples are analyzed within the required holding times. In the future, please note hold time violations in the report.

- The September 2008 Cyanide sample from BSB-A6R (BSB-GW-04) was received by the laboratory with a pH <12. In the future, please ensure that all samples are properly preserved.
- No duplicate samples were collected during the September 2007 and September 2008 sampling events. In the future, please ensure that all field QA/QC samples are collected and submitted to the laboratory for analysis for all sampling events.
- The field notes for the March and September 2008 sampling events were not included in the reports. The field notes are necessary to document that proper field procedures have been followed. **Please submit a copy of these notes to the Department by January 30, 2009.**
- The locations of the Clark Tailings wells in the report do not match the locations depicted on the map. In the report CLK-1 is listed as the north well and CLK-2 as the east well, however, on the map CLK-2 is located to the north and CLK-1 to the east of the tailings. In future reports, please correct the text or the map as appropriate to eliminate confusion as to the locations of these wells.

The Department notes that Vinyl Chloride and 1,1-Dichloroethene exceed the groundwater protection standard at BSB-A6R, and that Arsenic, Cadmium, and Zinc exceed the groundwater protection standard at CLK-1. Concentrations of these analytes have generally remained constant or increased since the completion of remedial construction in 1998, indicating that the current corrective remedy may not be effective. **Please submit a report analyzing the effectiveness of the current corrective measures in accordance with the requirements of 17.50.710(7)(b) to the Department by April 15, 2009.**

Please use the updated human health standards for groundwater from Circular DEQ-7, Montana Numeric Water Quality Standards. This document is updated as needed by the Planning, Prevention, and Assistance Division – Water Quality Standards Section, most recently in February 2008, and is located online at http://www.deq.mt.gov/wqinfo/standards/CompiledDEQ-7.pdf.

The facility remains in corrective action with semi-annual monitoring at this time. If you have any questions or comments regarding these reviews, please do not hesitate to contact me directly at the Permitting and Compliance Division, Waste and Underground Tank Management Bureau, Solid Waste Program.

Sincerely,

Martin Van Oort
Environmental Science Specialist
Solid Waste Program
Phone: 406-444-2802, Fax: 406-444-1374
E-mail: mvanoort@mt.gov

File: Closed\Silver Bow County\Butte-Silver Bow Class II\License #20\Groundwater Monitoring
Path: G:\WUT\SWS\GWater\Responses\SilverBow Co\2007-09_2008-03_cl_bsb_reviews.doc
cc: Mr. Brad Hollamon, Pioneer Technical Services, PO Box 3445, Butte, MT 59702

Correspondence Slip

Project ID: _____

Requested: 12/11/08

Needed By: 12/16/08

Originator: MVP

Org(s)/Mail Code: _____

REVIEW ROUTING

Name	Task	Initial/Date
Admin	Proof	[illegible] 12-11-08
Mary H	Review	[illegible] 12-12
Darrell	Review	[illegible] 12/12
Rick	Review	RT 12-16-08

Mail original via:
X Regular O Certified O Registered O FedEx

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Proof Path: G:\WUT\ Sen letter

Special Instructions:

Mail copy of enclosures to CC's? Y (N)

Copies of enclosures for file needed? Y (N)

Copy of letter for file needed? (Y) N

Montana Department of
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Brian Schweitzer, Governor

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MAILED
6-26-07 gh

June 26, 2007

Mr. Gary Keeler, *Manager*
BUTTE-SILVER BOW LANDFILL
126 West Granite Street
Butte, MT 59701-9216

RE: OLD BUTTE-SILVER BOW COUNTY LANDFILL - LICENSE #20
MARCH 2007 GROUNDWATER MONITORING RESULTS REVIEW

Dear Gary:

The Department has reviewed the old Butte-Silver Bow County Landfill's March 2007 Groundwater Monitoring Summary Report. The report meets the requirements of the Administrative Rules of Montana (ARM) 17.50.708. Thank you for including the trend graphs in the report. Please consider adding chloride and sulfate concentrations to the VOC trend graph for BSB-6A-R.

If you have any questions regarding this review, please do not hesitate to contact me directly at the Permitting and Compliance Division, Waste and Underground Tank Management Bureau, Solid Waste Section.

Sincerely,

Mary Louise Hendrickson

Mary Louise Hendrickson
Environmental Specialist
Solid Waste Regulatory Program
Phone: 406-444-1808; Fax: 406-444-1374
Email: mhendrickson@mt.gov

File: SilverBow Co.\Butte-Silver Bow Class II\Ground Water Monitoring
Path: G:\WUT\SWS\GWater\Responses\SilverBow Co\oldBSB-Mar07rev.doc
cc: Mr. Brad Hollamon, Pioneer Technical Services, PO Box 3445, Butte, MT 59702

Correspondence Slip

Project ID: _____

Requested: 6-25-07

Needed By: 6-26-07

Originator: [illegible]

Org(s)/Mail Code: _____

REVIEW ROUTING

Name	Task	Initial/Date
Admin	Proof	JH / 6-25-07
Pat	↓	/
Rich		RT / 6-26-2007
		/

Mail original via:
O Regular O Certified O Registered O FedEx

Fax to addressee at:

Proof Path: G:\WUT\ see letter

Special Instructions:
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:)

Mail copy of enclosures to CC's? Y N

Copies of enclosures for file needed? Y N

Copy of letter for file needed? Y N

Montana Department of
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Brian Schweitzer, Governor

P.O. Box 200901 • Helena, MT 59620-0901 • (406) 444-2544 • www.deq.mt.gov

MAILED
12-15-06 JM

December 13, 2006

Mr. Gary Keeler, *Manager*
BUTTE-SILVER BOW LANDFILL
126 West Granite Street
Butte, MT 59701-9216

RE: OLD BUTTE-SILVER BOW COUNTY LANDFILL - LICENSE #20
GROUNDWATER MONITORING RESULTS REVIEW – JUNE AND SEPTEMBER 2006

Dear Gary:

The Department has reviewed the old Butte-Silver Bow County Landfill's June and September 2006 Groundwater Monitoring Summary Reports. The reports meet the requirements of the Administrative Rules of Montana (ARM) 17.50.708 with the following exceptions:

- ARM 17.50.708(4)(a) requires the determination of the direction and rate of groundwater flow during each groundwater monitoring event. In all future reports, please provide a topographic map of the site that includes potentiometric contours, flow direction, and a calculation of the groundwater flow velocity.

- To provide an indication of the impact of the corrective measures at the site, please consider the creation and submittal of a trend graph that provides a summation of VOC's in each well.

- Please provide an updated groundwater monitoring Sampling and Analysis Plan in accordance with ARM 17.50.709(1)(b)(iii). This plan should be submitted to the Department within 90-days of the date of this letter.

If at any time you have any questions, comments, or concerns, please do not hesitate to contact me directly at the Permitting and Compliance Division, Waste and Underground Tank Management Bureau, Solid Waste Section.

Sincerely,

Marylouise Hendrickson

Mary Louise Hendrickson
Environmental Specialist
Solid Waste Regulatory Program
Phone: 406-444-1808; Fax: 406-444-1374
Email: mhendrickson@mt.gov

File: SilverBow Co.\Butte-Silver Bow Class II\Ground Water Monitoring
Path: G:\WUT\SWS\GWater\Responses\SilverBow Co\oldBSB-2006rev.doc
cc: Mr. Brad Hollamon, Pioneer Technical Services, PO Box 3445, Butte, MT 59702

Correspondence Slip

Project ID: _____

Requested: 12-12-06

Needed By: 12-13-06

Originator: [illegible]

Org(s)/Mail Code: _____

REVIEW ROUTING

Name	Task	Initial/Date
Darrell		Das / 12/3
Pat	review	PPO / 12/13
Rick		RT / 12-14-06
Janet		/

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Fax to addressee at:

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Copies of enclosures for file needed? Y N

Copy of letter for file needed? Y N

#20

PIONEER
TECHNICAL SERVICES, INC.

P.O. BOX 3445 BUTTE, MONTANA 59702
PHONE (406) 782-5177 FAX (406) 782-5866
e-mail pioneer@in-tch.com internet www.pioneer-technical.com

June 18, 2007

Ms. Mary Louise Hendrickson
MDEQ/permitting and Compliance Division
P.O Box 200901
Helena, MT 59620

Dear Mary Louise ,

Enclosed are the analytical results and supporting documentation (including an update of statistics) for the latest groundwater sampling conducted at the old Butte-Silver Bow County Landfill; the samples were collected on March 21, 2007 as part of the assessment monitoring requirements.

Feel free to call me at 782-5177 with any questions or concerns you may have regarding the enclosed data.

Sincerely,

Brad Hollamon

Brad Hollamon
Senior Technician

Encl.

cc. Gary Keeler, BSB Landfill Manager
Shawn Bisch, Pioneer Technical Services Inc.
Steve Ferry, Atlantic Richfield Co.

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OLD SILVER BOW LANDFILL
MARCH 2007 GROUNDWATER MONITORING

The March 2007 round of sampling at the Old Silver Bow Landfill included sampling for the full Table 2 list of analytics in accordance with the Assessment Monitoring program. Table 1, attached, summarizes the analytical results. The discussion below compares these data to previous results and to current Maximum Contaminant Levels (MCLs) and Montana Human Health Standards (HHSs).

Well MBMG-2 (up gradient):

No semi-volatiles, chlorinated acids, or pesticides were detected in the well during this sampling event. One volatile organic compound was detected in this well during this sampling event, Chloroform (ELI 0.41J µg/L). Metals detected below the mean are; As (0.0014 mg/L), Ba (0.126 mg/L). Metals detected above the mean are; Se (0.0024 mg/L) and V (0.0094 mg/L). nitrate/nitrite (5.49 mg/L), Chloride (50 mg/l), Sulfate (129 mg/L) were detected at concentrations below the mean.
No MCL or HHS exceedences were observed in this well during this sampling event.

Well BSB-A1 (North):

No semi-volatile, volatile, chlorinated acids, or pesticides were detected in the well during this sampling event. In accordance with the modified assessment-monitoring program, a sample for metals analyses was not collected from this well.
There were no inorganic compounds detected at levels above the mean during this sampling event in this well. Chloride (17.0 mg/L) sulfate (88 mg/L), and nitrate/nitrite (0.25 mg/L) were detected at levels below the mean.
No MCL or HHS exceedences were observed in this well during this sampling event.

Well BSB-A5 (Northeast Well):

In accordance with the modified assessment-monitoring program, a sample for metals analyses was not collected from this well. No semi-volatiles, chlorinated acids, or pesticides were detected in the well during this sampling event. Two volatile organic compounds were detected in this well during this sampling event, Tetrachloroethene (ELI 0.86 J µg/L) and Trichloroethene (ELI 0.25 J µg/L).
Chloride (28.0 mg/L) sulfate (833 mg/L),and nitrate/nitrite (3.64 mg/L) were detected at levels above the mean. Sulfate exceeds the secondary USEPA MCL of 250 mg/L.

Well BSB-A6-R (Central Well):

Well BSB-A6-R is the replacement well for BSB-A6, removed during the construction of Timber Butte Youth Park.eleven volatile organic compounds (VOC's) were detected in this well; six of the eleven were detected at levels below the quantification limit. The eleven volatile organic compounds were as follows:

- Benzene (0.45 J ug/L);
- Chloroethane (0.33 J ug/L);
- 1,4 – Dichlorobenzene (1.3 ug/L);
- Dichlorodifluoromethane (2.7 ug/L);
- 1,1-DCE (1.7 ug/L);
- Cis-1,2-DCE (8.0 ug/L);
- 1,2-Dichloropropane (0.60 J ug/L);
- Methylene Chloride (0.31 J ug/L);
- Tetrachloroethene (0.46 J ug/L);
- Trichloroethene (0.58 J ug/L);
- Vinyl Chloride (3.8 ug/L).

No other semi-volatiles, chlorinated acids, or pesticides were detected. In accordance with the modified assessment-monitoring program, a sample for metals analyses was not collected from this well.

Chloride (54 mg/L) was detected below the mean. Sulfate (1200 mg/L) was also detected, but was well below previous results. Sulfate exceeds the secondary USEPA MCL of 250 mg/L.

Well CLK-1 (Clark Tailings North Well):

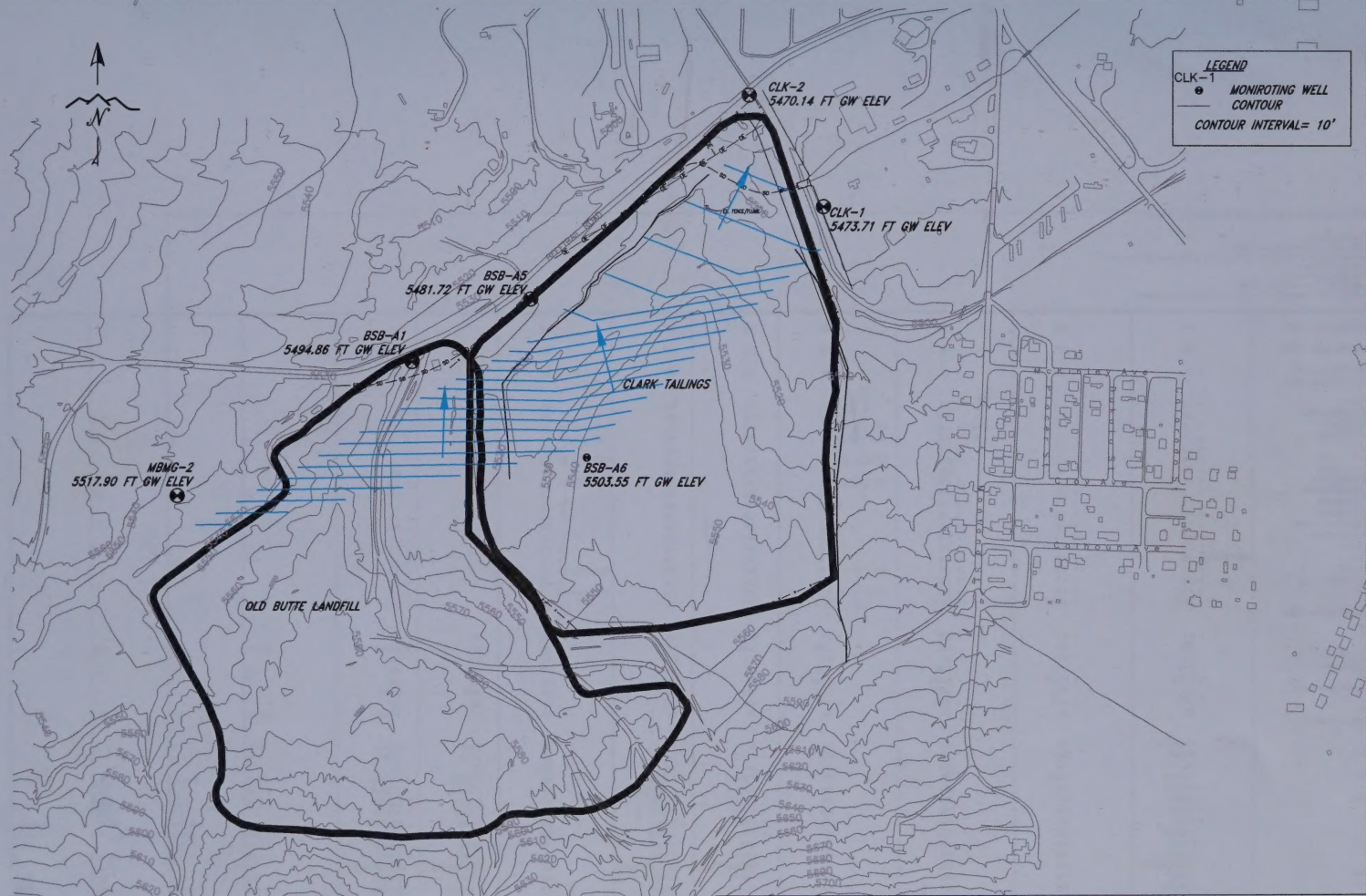
In accordance with the modified assessment-monitoring program, no samples for organic analyses were collected from this well. The measured concentrations of the majority of metals were relatively low; the detected concentrations of arsenic (0.0643 mg/L), cadmium (0.0151 mg/L), Zn (85.2 mg/L) and iron (19.8 mg/L), exceed US EPA MCL or Montana HHS standards.
Sulfate was detected at a concentration of 1380 mg/L, which exceeds the secondary MCL for this compound. Chloride was also detected (32 mg/L), with a mean value of 35 mg/L.

Well CLK-2 (Clark Tailings East Well):

In accordance with the modified assessment-monitoring program, no samples for organic analyses were collected from this well. The measured concentrations of the majority of metals were relatively low; the detected concentrations of arsenic (0.0018 mg/L), cadmium (0.00078 mg/L), and zinc (0.710 mg/L) were low respective to MCLs, secondary MCLs, or Montana HHS concentrations for these metals.
Sulfate was detected at a concentration of 843 mg/L, which exceeds the secondary MCL for this compound. Chloride (58 mg/L) was detected above the mean of (57 mg/L).

Conclusion:

The March 2007 sampling event at the Old Butte-Silver Bow Landfill included sampling according to the modified assessment-monitoring program (see Table 2 for analytical data). The results for metals, inorganics, and organic contaminants obtained from this sampling event were comparable to previous results.
Duplicate samples for BSB-A6R and CLK-2 were collected during this sampling event. A6R for VOA 8260 only and CLK-2 for dissolved metals and inorganic analysis only. A field blank was also collected for dissolved metals and inorganic analysis only. A trip blank was analyzed for the organic analysis at the lab.



PIONEER TECHNICAL SERVICES, INC.

FIGURE 2
OLD BSB MUNICIPAL LANDFILL
SITE/CLARK TAILINGS FACILITY
MARCH 2007
SCALE: 1"=600"
DATE: 3/21/07

STA1\D\DATA\OLD BUTTE LANDFILL\SAMPLING-2007\OBL 101F-07.DWG

TABLE I: ANALYTICAL DATA FOR GROUNDWATER SAMPLES, OLD SILVER BOW COUNTY LANDFILL
DATE SAMPLED: March, 21 2007

SAMPLE NUMBER / WELL / ANALYTE (units):	BSB-GW-01 MBMG-2	BSB-GW-02 BSB-A1	BSB-GW-03 BSB-A5	BSB-GW-04 BSB-A6-R	BSB-GW-05 CLK-1	BSB-GW-06 CLK-2	BSB-GW-07 BSB-A6R DUPE	BSB-GW-08 CLK-2 DUPE	BSB-GW-09 Field Blank Trip Blank	GW PROTECTION STANDARDS USEPA MCL*	GW PROTECTION STANDARDS MONTANA HHS	GW PROTECTION STANDARDS USEPA MCL*	GW PROTECTION STANDARDS MONTANA HHS
DISSOLVED METALS (mg/L)													
Antimony	< 0.024	NR	NR	NR	< 0.121	< 0.024	NR	0.030	< 0.024	0.006	0.014	0.006	0.014
Arsenic	0.0014	NR	NR	NR	0.0643	0.0018	NR	0.0018	< 0.00004	0.05	0.018	0.05	0.018
Barium	0.126	NR	NR	NR	0.029	0.024	NR	0.022	< 0.0011	2	1	2	1
Beryllium	< 0.00005	NR	NR	NR	0.00041	< 0.00005	NR	< 0.00005	< 0.00005	0.004	0.040	0.004	0.040
Cadmium	0.00008	NR	NR	NR	0.0151	0.00078	NR	0.00087	< 0.00002	0.005	0.005	0.0050	0.0050
Chromium	0.0008	NR	NR	NR	< 0.0004	0.0006	NR	0.0008	0.0009	0.1	0.1	0.1	0.1
Cobalt	not reported	NR	NR	NR	not reported	not reported	NR	not reported	not reported	---	---	---	---
Copper	0.0012	NR	NR	NR	0.0014	0.0043	NR	0.0041	< 0.0002	1.3 (a)	1	1.3 (a)	1
Iron	< 0.0137	NR	NR	NR	19.8	0.0194	NR	< 0.0137	0.0165	0.3 (s)	0.3	0.3	0.3
Lead	0.00004	NR	NR	NR	< 0.00008	0.00004	NR	0.00006	0.00042	0.015 (a)	0.015	0.015 (a)	0.015
Mercury	< 0.0001	NR	NR	NR	< 0.0001	< 0.0001	NR	< 0.0001	< 0.0001	0.002	0.00014	0.002	0.00014
Nickel	< 0.0209	NR	NR	NR	< 0.1044	< 0.0209	NR	< 0.0209	< 0.0209	0.1	0.1	0.1	0.1
Selenium	0.0024	NR	NR	NR	0.0065	0.0033	NR	0.0034	< 0.0004	0.05	0.05	0.05	0.05
Silver	< 0.00015	NR	NR	NR	0.00018	< 0.00015	NR	< 0.00015	< 0.00015	0.1 (s)	---	0.1	---
Thallium	0.00004	NR	NR	NR	0.00004	< 0.00002	NR	< 0.00002	< 0.00002	0.002	0.0017	0.002	0.0017
Tin	NR	NR	NR	NR	NR	NR	NR	NR	NR				
Vanadium	0.0094	NR	NR	NR	< 0.0185	< 0.0037	NR	< 0.0037	0.0048	---	---	---	---
Zinc	0.0068	NR	NR	NR	85.2	0.710	NR	0.789	< 0.0073	5 (s)	5	5	5
INORGANICS (mg/L)													
Chloride	50	17	28	54	32	58	NR	59	< 0.0001	250 (s)	---	250	---
COD	< 10.0	< 10.0	< 10.0	< 10.0	NR	NR	NR	NR	NR	---	---	---	---
Conductivity (umhos/cm)	727	482	1620	2300	2330	1880	NR	1880	< 0.422	---	---	---	---
Cyanide	< 0.005	< 0.005	< 0.005	< 0.005	NR	NR	NR	NR	NR	---	---	---	---
Nitrate\Nitrite - N	5.49	0.25	3.64	0.04	NR	NR	NR	NR	NR	10	---	10	---
pH	6.7	6.9	6.1	6.1	6.2	6.5	NR	6.5	8.3				
Sulfate	129	88	833	1200	1380	843	NR	837	< 0.0005	250 (s)	---	250	---
Sulfide	< 0.5	< 0.5	< 0.5	< 0.5	NR	NR	NR	NR	NR				
EPA METHOD 8260 (ug/L)													
Acetone	< 20.0	< 20.0	< 20.0	< 20.0	NR	NR	< 20.0		< 20.0				
Benzene	< 1.0	< 1.0	< 1.0	(ELI 0.45 J)< 1.0	NR	NR	(ELI 0.44 J)< 1.0		< 1.0				
Carbon Disulfide	< 1.0	< 1.0	< 1.0	< 1.0	NR	NR	< 1.0		< 1.0	---	---	---	---
Chloroethane	< 1.0	< 1.0	< 1.0	(ELI 0.33 J)< 1.0	NR	NR	(ELI 0.37 J)< 1.0		< 1.0				
Chloroform	(ELI 0.41J)< 1.0	< 1.0	< 1.0	< 1.0	NR	NR	< 1.0		< 1.0	---	57	---	57
Chlormethane	< 1.0	< 1.0	< 1.0	< 1.0	NR	NR	< 1.0		< 1.0				
1,4-Dichlorobenzene	< 1.0	< 1.0	< 1.0	1.3	NR	NR	1.3		< 1.0				
Dichlorodiflouromethane	< 1.0	< 1.0	< 1.0	2.7	NR	NR	2.4		< 1.0				
1,1-Dichloroethane	< 1.0	< 1.0	< 1.0	1.7	NR	NR	1.7		< 1.0				
1,2-Dichloroethane	< 1.0	< 1.0	< 1.0	< 1.0	NR	NR	< 1.0		< 1.0				
cis-1,2-Dichloroethene	< 1.0	< 1.0	1.3	8.0	NR	NR	7.9		< 1.0	70	70	70	70
1,2-Dichloropropane	< 1.0	< 1.0	< 1.0	(ELI 0.60 J)< 1.0	NR	NR	(ELI 0.58 J)< 1.0		< 1.0				
4-Isopropyltoluene	< NR	NR	NR	NR	NR	NR	NR		NR				
Methylene Chloride	< 1.0	< 1.0	< 1.0	(ELI 0.31 J)< 1.0	NR	NR	(ELI 0.30 J)< 1.0		< 1.0				
Naphthalene	< 1.0	< 1.0	< 1.0	< 1.0	NR	NR	< 1.0		< 1.0				
Tetrachloroethene	< 1.0	< 1.0	(ELI 0.86 J)< 1.0	(ELI 0.46J)< 1.0	NR	NR	(ELI 0.41J)< 1.0		< 1.0	5	8	5	8
Trichloroethene	< 1.0	< 1.0	(ELI 0.25 J)< 1.0	(ELI 0.58 J)< 1.0	NR	NR	(ELI 0.56 J)< 1.0		< 1.0				
1,2,4-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR		NR				
Vinyl Chloride	< 1.0	< 1.0	< 1.0	3.6	NR	NR	3.6		< 1.0				
EPA METHOD 8270 (ug/L)													
bis(2-ethylhexyl)Phthalate	< 10	< 10	< 10	< 10	NR	NR	< 10		NR				
EPA METHOD 8151 (ug/L)	ND	ND	ND	ND	NR	NR	ND		NR				
EPA METHOD 8081 (ug/L)	ND	ND	ND	ND	NR	NR	ND		NR				

* MCL definitions: a = action level, not an MCL; s = secondary MCL (aesthetics)
NA = Not enough sample available for analysis
NR = Analysis Not Requested
ND = Analyte Not Detected
J = Estimated Quantity. Anlyte present, but less than the practical quantitation limit (PQL).
NS= Sample Not Collected (Frozen Well-CLK-1)
SA = Sample Not Taken

Bolded values are above the MCL, italicized bold values are above the State HHS.

TABLE 5-2 (updated 05/28/2007)
SILVER BOW COUNTY -OLD LANDFILL GROUNDWATER DA
INORGANIC CONSTITUENTS (ug/L)

	STANDARDS											
	USEPA	MT GW	MBMG-2		BSB-A1		BSB-A5		BSB-A6R		CLK-1	
Analyte	MCL*	HHS	Mean	Median	Mean	Median	Mean	Median	Mean	Median	Mean	Median
			n=27		n=8		n=4		n=0		n=22	
Ag	- -	100	0.1	0.1	0.8	0.1	0.1	0.1	- -	- -	0.3	0.1
As	50	20	2	2	2	2	3	2	- -	- -	74	84
Ba	2,000	2,000	139	138	88	79	26	27	- -	- -	32	31
Be	4	4	0.3	0.1	0.5	0.6	0.2	0.1	- -	- -	0.4	0.4
Cd	5	5	0.1	0.1	0.2	0.2	0.0	0.0	- -	- -	8.9	7.4
Co	- -	- -	4	4	4	4	4	4	- -	- -	78	76
Cr	100	100	4	4	5	4	4	4	- -	- -	37	4
Cu	1,300(a)	1,300	2	2	2	2	2	2	- -	- -	5	2
Fe	- -	300	139	9	25	22	36	36	- -	- -	21,426	22,000
Hg	2	2	0.06	0.05	0.09	0.05	0.10	0.07	- -	- -	0.06	0.05
Ni	- -	100	7	7	7	7	7	7	- -	- -	119	7
Pb	15(a)	15	0.7	0.5	0.8	0.5	0.8	0.5	- -	- -	1.1	0.5
Sb	6	6	2	1	3	1	2	2	- -	- -	19	1
Se	50	50	1.1	0.4	0.6	0.4	0.4	0.4	- -	- -	2.6	0.4
Tl	2	2	1	1	4	5	3	1	- -	- -	0	0
V	- -	- -	8	8	3	3	3	3	- -	- -	5	3
Zn	- -	2,000	13	5	12	12	14	12	- -	- -	100,473	100,400
			n=27		n=29		n=17		n=13		n=19	
Chloride	250,000(s)	- -	57,230	57,000	17,066	17,000	25,418	25,000	54,200	55,000	34,968	34,100
Sulfate	250,000(s)	- -	150,889	144,000	98,131	88,000	579,588	558,000	2,135,000	1,780,000	1,737,000	1,640,000
Nitrate	10,000	10,000	7,221	6,700	604	560	2,594	2,630	49	25	- -	- -
COD	- -	- -	39,337	16,000	33,341	20,600	58,013	12,000	311,954	28,300	- -	- -
SC	- -	- -	763	763	491	473	1,170	1,200	3,172	2,790	2,694	2,730

* MCL definitions: a = action level, not a MCL; s = secondary MCL (asthetics)
BDL values calculated as equal to one half the method detection limit (MDL)

TABLE 5-2 (updated 05/28/2007)
SILVER BOW COUNTY -OLD LANDFILL GROUNDWATER DATA SUMMARY
INORGANIC CONSTITUENTS (ug/L)

	STANDARDS														Mean	Median			
	USEPA	MT GW	MBMG-2		BSB-A1		BSB-A5		BSB-A6R		CLK-1		CLK-2		Exceeds	Exceeds	BLANK		LAB
Analyte	MCL*	HHS	Mean	Median	Mean	Median	Mean	Median	Mean	Median	Mean	Median	Mean	Median	Std. or Bkd.	Std. or Bkd.	Mean	Median	MDL
			n=27		n=8		n=4		n=0		n=22		n=21				n=17		
Ag	- -	100	0.1	0.1	0.8	0.1	0.1	0.1	- -	- -	0.3	0.1	0.3	0.1	CLK1,CLK2(bkd)	None	0.9	0.1	0.21
As	50	20	2	2	2	2	3	2	- -	- -	74	84	2	2	CLK1 (std)	CLK1 (std)	1	1	0.11
Ba	2,000	2,000	139	138	88	79	26	27	- -	- -	32	31	29	29	None	None	1	0	1
Be	4	4	0.3	0.1	0.5	0.6	0.2	0.1	- -	- -	0.4	0.4	0.1	0.1	CLK1(bkd)	CLK1(bkd)	0.1	0.1	0.07
Cd	5	5	0.1	0.1	0.2	0.2	0.0	0.0	- -	- -	8.9	7.4	0.4	0.3	CLK1(std),CLK2(bkd)	CLK1 (std)	0.03	0.03	0.05
Co	- -	- -	4	4	4	4	4	4	- -	- -	78	76	4	4	CLK1 (bkd)	CLK1 (bkd)	4	4	8.5
Cr	100	100	4	4	5	4	4	4	- -	- -	37	4	4	4	CLK1 (bkd)	None	4	4	10
Cu	1,300(a)	1,300	2	2	2	2	2	2	- -	- -	5	2	3	2	CLK1,CLK2 (bkd)	None	3	2	1.3
Fe	- -	300	139	9	25	22	36	36	- -	- -	21,426	22,000	233	9	CLK1(std)CLK2(bkd)	CLK1 (std)	10	9	10
Hg	2	2	0.06	0.05	0.09	0.05	0.10	0.07	- -	- -	0.06	0.05	0.10	0.05	None	None	0.06	0.05	0.11
Ni	- -	100	7	7	7	7	7	7	- -	- -	119	7	15	7	CLK1(std),CLK2(bkd)	None	7	7	13.3
Pb	15(a)	15	0.7	0.5	0.8	0.5	0.8	0.5	- -	- -	1.1	0.5	0.9	0.5	CLK1,CLK2 (bkd)	None	0.5	0.5	0.10
Sb	6	6	2	1	3	1	2	2	- -	- -	19	1	1	1	CLK1 (std)	None	3	1	0.1
Se	50	50	1.1	0.4	0.6	0.4	0.4	0.4	- -	- -	2.6	0.4	1.8	0.4	CLK1,CLK2(bkd)	None	0.6	0.4	0.53
Tl	2	2	1	1	4	5	3	1	- -	- -	0	0	1	1	None	None	0	1	0.04
V	- -	- -	8	8	3	3	3	3	- -	- -	5	3	3	3	None	None	2	3	2.1
Zn	- -	2,000	13	5	12	12	14	12	- -	- -	100,473	100,400	377	237	CLK1(std)CLK2(bkd)	CLK1(std)CLK2(bkd)	7	5	5.3
			n=27		n=29		n=17		n=13		n=19		n=20				n=0		
Chloride	250,000(s)	- -	57,230	57,000	17,066	17,000	25,418	25,000	54,200	55,000	34,968	34,100	57,605	62,000	CLK2 (bkd)	CLK2 (bkd)	- -	- -	5000
Sulfate	250,000(s)	- -	150,889	144,000	98,131	88,000	579,588	558,000	2,135,000	1,780,000	1,737,000	1,640,000	839,050	820,500	A5, A6R,C1,2 (std)	A5, A6R,C1,2 (std)	- -	- -	5000
Nitrate	10,000	10,000	7,221	6,700	604	560	2,594	2,630	49	25	- -	- -	- -	- -	None	None	- -	- -	50
COD	- -	- -	39,337	16,000	33,341	20,600	58,013	12,000	311,954	28,300	- -	- -	- -	- -	A5, A6R (bkd)	A1,A6R (bkd)	- -	- -	5000
SC	- -	- -	763	763	491	473	1,170	1,200	3,172	2,790	2,694	2,730	1,814	1,825	A5, A6R,C1,2(bkd)	A5, A6R,C1,2(bkd)	- -	- -	- -

* MCL definitions: a = action level, not a MCL; s = secondary MCL (asthetics)
BDL values calculated as equal to one half the method detection limit (MDL)

TABLE 3-1 (continued) (2 of 2)

SILVER BOW COUNTY OLD LANDFILL GROUNDWATER DATA SUMMARY

INORGANIC CONSTITUENTS (µg/L)

	MCL	MW-2				MW-3				MW-4				CLK-1				CLK-2				CLK-3			
		Minimum	Maximum	Median	Mean	Minimum	Maximum	Median	Mean	Minimum	Maximum	Median	Mean	Minimum	Maximum	Median	Mean	Minimum	Maximum	Median	Mean	Minimum	Maximum	Median	Mean
		n=7				n=8				n=7				n=10				n=22				n=11			
		0.	0.1	0.6	0.1	0.1	0.1	--	--	--	--	--	--	0.3	0.7	0.1	0.2	0.1	0.2	0.1	0.1	0.4	0.1	0.1	0.1
		2	2	2	2	3	3	--	--	--	--	--	--	7	24	2	2	2	2	2	2	1	1	1	1
		120	180	99	79	27	29	--	--	--	--	--	--	30	31	20	20	20	20	20	20	9	9	9	9
		0.3	0.5	0.6	0.2	0.1	0.2	--	--	--	--	--	--	0.4	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
		0.1	0.2	0.2	0.0	0.0	0.0	--	--	--	--	--	--	0.2	7	0.4	0.3	0.3	0.4	0.3	0.3	0.03	0.03	0.03	0.03
		4	4	4	4	4	4	--	--	--	--	--	--	17	30	4	4	4	4	4	4	4	4	4	4
		4	4	4	4	4	4	--	--	--	--	--	--	32	4	4	4	4	4	4	4	4	4	4	4
		2	2	2	2	2	2	--	--	--	--	--	--	2	2	2	2	2	2	2	2	2	2	2	2
		39	5	25	22	30	30	--	--	--	--	--	--	24,400	72,000	22,000	22,000	22,000	22,000	22,000	22,000	10	9	9	9
		0.06	0.00	0.00	0.00	0.10	0.07	--	--	--	--	--	--	0.00	0.10	0.05	0.05	0.10	0.05	0.05	0.05	0.05	0.05	0.05	0.05
		0.7	7	7	7	7	7	--	--	--	--	--	--	175	15	7	7	7	7	7	7	7	7	7	7
		0.7	0.2	0.4	0.2	0.8	0.5	--	--	--	--	--	--	4.7	0.5	0.2	0.3	0.5	0.3	0.2	0.3	0.7	0.5	0.5	0.5
		2	1	2	1	2	2	--	--	--	--	--	--	19	7	1	1	1	1	1	1	1	1	1	1
		1.7	0.4	0.8	0.4	0.6	0.4	--	--	--	--	--	--	2.6	1.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4
		1	1	1	1	1	1	--	--	--	--	--	--	0	0	1	1	1	1	1	1	0	1	1	1
		3	2	2	2	2	2	--	--	--	--	--	--	5	2	2	2	2	2	2	2	2	2	2	2
		15	5	12	12	12	12	--	--	--	--	--	--	410,000	370,000	370,000	370,000	370,000	370,000	370,000	370,000	7	5	5	5
		n=20				n=21				n=13				n=13				n=13				n=13			
		87,000		12,000	17,000	23,000	23,000	--	--	58,000	58,000	54,000	54,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	--	--	--	--
		194,000		20,000	20,000	572,000	572,000	--	--	2,180,000	2,180,000	1,180,000	1,180,000	1,707,000	1,707,000	820,000	820,000	820,000	820,000	820,000	820,000	--	--	--	--
		8,700		6	6	2,000	2,000	--	--	26	26	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		16,000		20,000	20,000	53,000	53,000	--	--	11,000	11,000	20,000	20,000	--	--	--	--	--	--	--	--	--	--	--	--
		750		400	400	1,100	1,100	--	--	2,300	2,300	1,500	1,500	2,900	2,900	1,500	1,500	1,500	1,500	1,500	1,500	--	--	--	--

n = not a MCL; s = secondary MCL (aesthetics)

(2) = over-and the method detection limit (MDL)

TABLE 5-3 (updated 05/28/2007)

SILVER BOW COUNTY -OLD LANDFILL GROUNDWATER DATA SUMMARY - ORGANIC CONSTITUENTS (ug/L)

Analyte	STANDARDS MCL	STANDARDS HHS	MBMG-2 Mean	MBMG-2 Median	BSB-A1 Mean	BSB-A1 Median	BSB-A5 Mean	BSB-A5 Median	BSB-A6-R Mean	BSB-A6-R Median	Mean Exceeds Std. or Bkd	Median Exceeds Std. or Bkd.	BLANK Mean	BLANK Median	LAB MDL
			n= 27		n= 29		n= 21		n= 13				n= 19		
Acetone	- -	- -	3.53	1.65	4.21	1.65	1.80	1.65	3.51	2.71	A6R (bkd)	A6R (bkd)	4.66	1.65	3.3
Benzene	5	5	0.03	0.03	0.03	0.03	0.03	0.03	0.36	0.36	A6R (bkd)	A6R (bkd)	0.03	0.03	0.05
Carbon Disulfide	- -	- -	1.05	0.05	0.19	0.05	0.10	0.05	0.05	0.05	None	None	0.15	0.05	0.09
Chloroethane	- -	- -	0.05	0.05	0.05	0.05	0.05	0.05	0.13	0.05	None	None	0.05	0.05	0.1
Chloroform	- -	60	0.48	0.45	0.05	0.05	0.06	0.05	0.07	0.05	None	None	0.10	0.05	0.09
Chloromethane	- -	- -	0.04	0.04	0.07	0.04	0.04	0.04	0.04	0.04	None	None	0.13	0.04	0.08
1,2-Dichlorobenzene-8260	600	600	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	None	None	0.09	0.09	0.17
1,4-Dichlorobenzene-8260	75	75	0.06	0.06	0.06	0.06	0.06	0.06	0.16	0.06	None	None	0.06	0.06	0.12
Dichlorodifluoromethane	- -	1400	0.04	0.04	0.05	0.04	0.09	0.04	3.70	3.80	A6R (bkd)	A6R (bkd)	0.04	0.04	0.08
Dichlorofluoromethane	- -	- -	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	None	None	0.10	0.10	0.2
1,1-Dichloroethane	- -	- -	0.05	0.05	0.05	0.05	0.06	0.05	2.42	2.50	A6R (bkd)	A6R (bkd)	0.05	0.05	0.09
1,2-Dichloroethane	5	4	0.07	0.06	0.11	0.06	0.07	0.06	0.09	0.06	None	None	0.32	0.06	0.11
1,1-Dichloroethene	7	7	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	None	None	0.02	0.02	0.04
cis-1,2-Dichloroethene	70	70	0.05	0.05	0.23	0.05	0.86	0.85	5.67	4.80	A1,A6R(bkd)	A6R (bkd)	0.05	0.05	0.09
trans-1,2-Dichloroethene	100	100	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.02	None	None	0.02	0.02	0.04
1,2-Dichloropropane	5	5	0.08	0.08	0.08	0.08	0.08	0.08	0.64	0.70	A6R (bkd)	A6R (bkd)	0.08	0.08	0.16
Ethylbenzene	700	700	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	None	None	0.04	0.04	0.08
Methyl Ethyl Ketone	- -	- -	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	None	None	2.48	2.48	4.95
Methyl Isobutyl Ketone	- -	- -	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	None	None	0.95	0.95	1.89
Methylene Chloride	5	5	0.03	0.03	0.03	0.03	0.03	0.03	0.51	0.53	A6R (bkd)	A6R (bkd)	3.01	0.03	0.06
Naphthalene	- -	28	0.13	0.13	0.13	0.13	0.13	0.13	0.48	0.13	A6R (bkd)	None	0.13	0.13	0.26
Tetrachloroethene	5	5	0.04	0.04	0.54	0.54	1.47	0.69	0.56	0.50	A1,A6R(bkd)	A1,A6R(bkd)	0.04	0.04	0.08
1,1,1-Trichloroethane	200	200	0.05	0.02	0.02	0.02	0.02	0.02	0.02	0.02	None	None	0.02	0.02	0.03
Toluene	1000	1000	0.05	0.05	0.07	0.05	0.05	0.05	0.06	0.05	None	None	0.08	0.05	0.1
Trichloroethene	5	5	0.06	0.06	0.19	0.06	0.30	0.09	0.58	0.58	A1,A6R(bkd)	A6R (bkd)	0.06	0.06	0.12
Trichlorofluoromethane	- -	10000	0.07	0.07	0.08	0.07	0.07	0.07	0.07	0.07	None	None	0.07	0.07	0.14
Vinyl Chloride	2	0.15	0.15	0.15	0.15	0.15	0.15	0.15	2.59	2.10	A6R (std)	A6R (bkd)	0.15	0.15	0.3
m+p Xylenes	10000	10000	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.07	None	None	0.07	0.07	0.14
o-Xylene	10000	10000	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	None	None	0.03	0.04	0.07
			n= 26		n= 28		n= 16		n= 13				n= 3		
1,2-Dichlorobenzene-8270	600	600	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	None	None	0.53	0.53	1.07
1,4-Dichlorobenzene-8270	75	75	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	None	None	0.64	0.64	1.27
Diethylphthalate	- -	5600	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	None	None	0.37	0.37	0.73
Di-n-butylphthalate	- -	2700	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	None	None	0.29	0.29	0.57
Di-n-octylphthalate	- -	- -	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	None	None	0.41	0.41	0.82
bis(2-ethylhexyl)phthalate	6	6	0.39	0.39	0.55	0.39	1.35	0.39	1.58	0.39	A5,A6R(bkd)	None	0.39	0.39	0.77
Acenaphthene	- -	420	0.29	0.29	0.29	0.29	0.29	0.29	0.35	0.29	None	None	0.29	0.29	0.58
1-Methylnaphthalene	- -	- -	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	None	None	0.40	0.40	0.80
2-Methylphenol	- -	- -	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	None	None	0.37	0.37	0.73
4-Methylphenol/3-Methylphenc	- -	- -	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	None	None	0.30	0.30	0.60
Phenol	- -	300	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	None	None	0.34	0.34	0.67
			n= 22		n= 24		n= 15		n= 12				n= 1		
Picloram	500	500	0.080	0.002	0.002	0.002	0.211	0.002	0.025	0.002	None	None	0.002	0.002	0.003
2,4,5-T	50	70	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	None	None	0.002	0.002	0.003
2,4-D	70	70	0.011	0.011	0.011	0.011	0.018	0.011	0.011	0.011	None	None	0.011	0.011	0.023
4-Nitrophenol	- -	56	0.018	0.005	0.005	0.005	0.005	0.005	0.005	0.005	None	None	0.005	0.005	0.009
Dacthal	- -	70	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	None	None	0.0004	0.0004	0.0009
Pentachlorophenol	1	1	0.004	0.004	0.009	0.004	0.004	0.004	0.004	0.004	A1 (bkd)	None	0.004	0.004	0.007

BDL values calculated as equal to one-half the method detection limit (MDL)

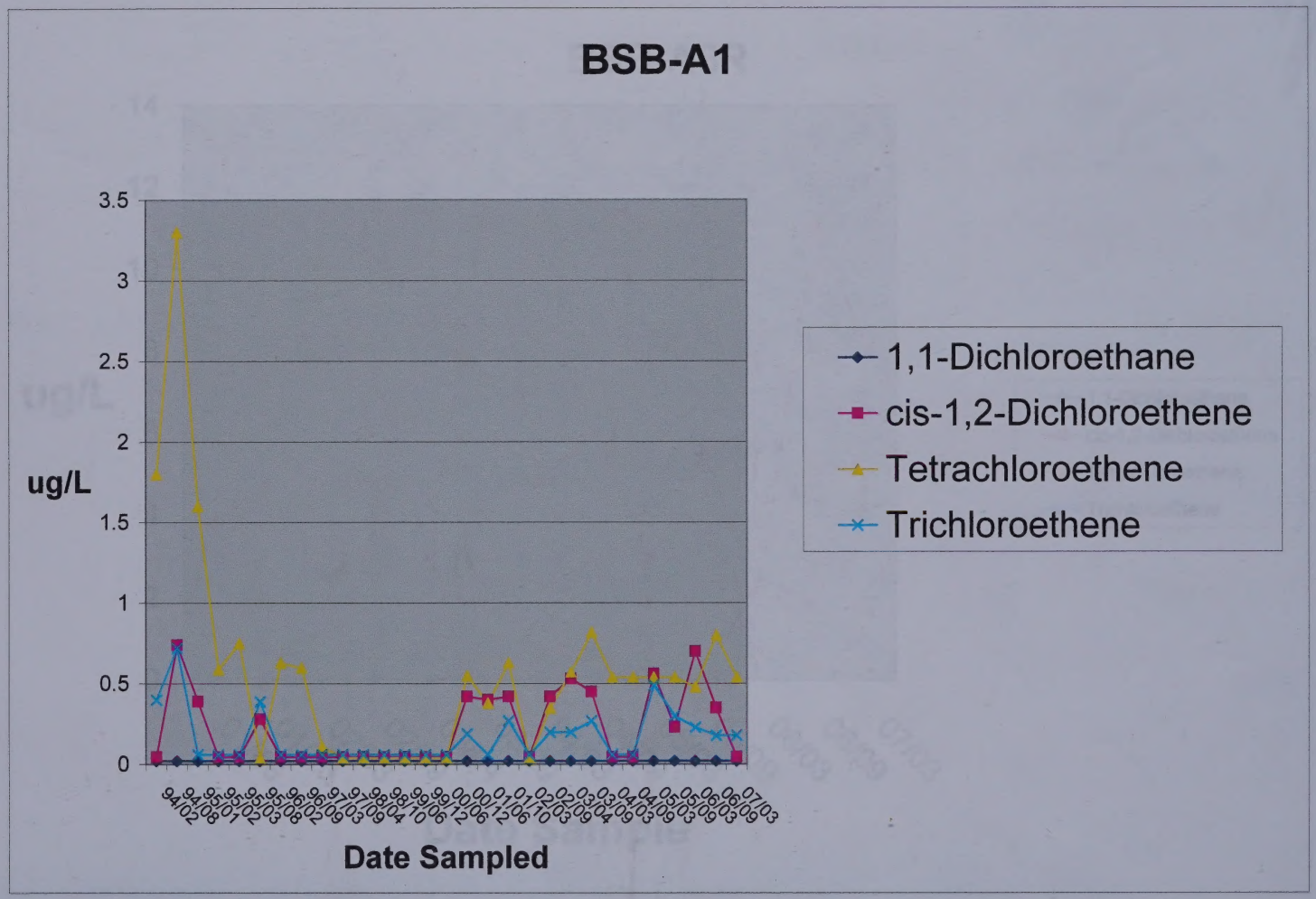
Old Butte-Silver Bow County Landfill
GROUNDWATER FIELD CHEMISTRY RESULTS AND PURGE VOLUMES
March-07

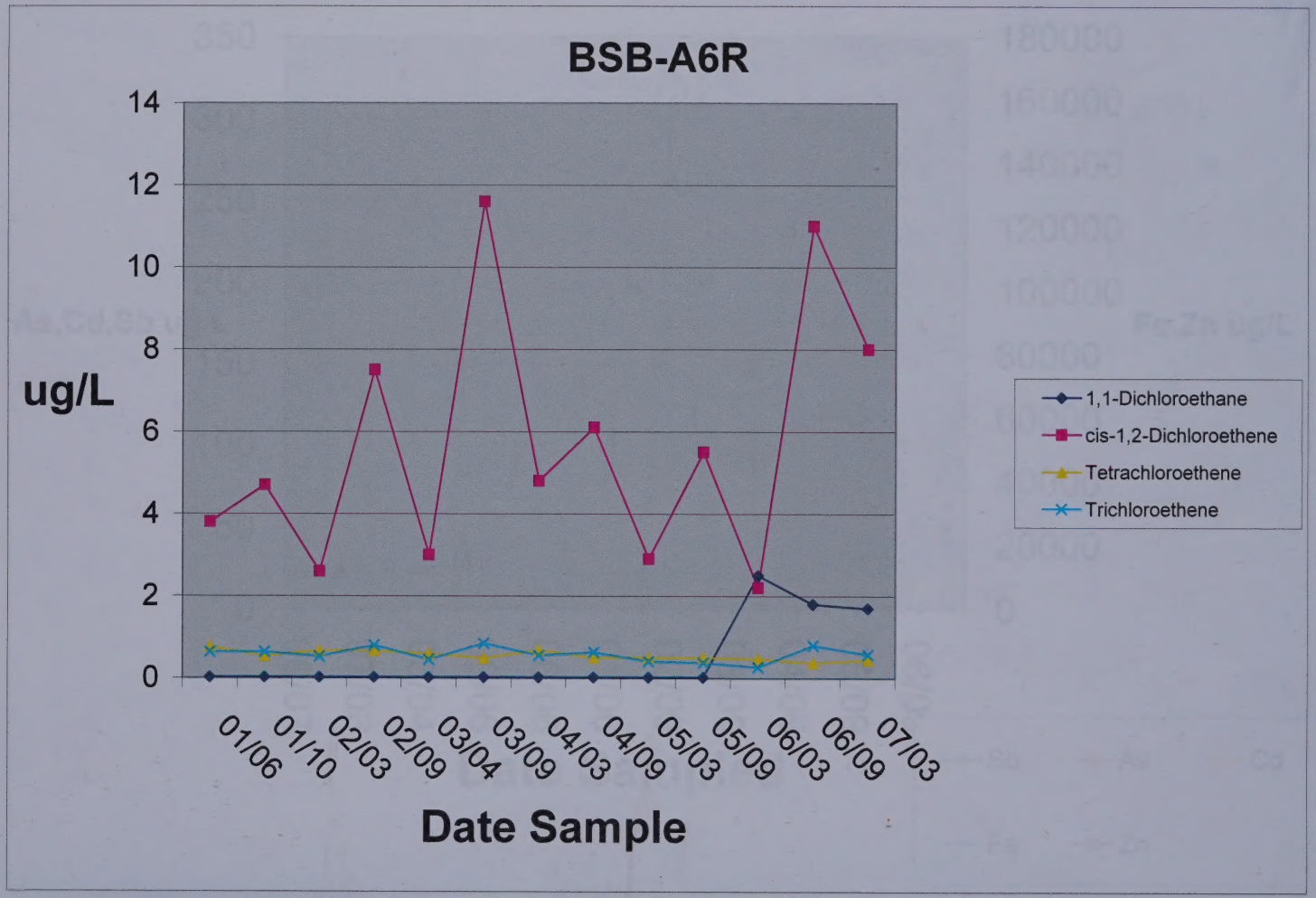
Well I.D.	Sample #	Depth (ft)	Radius (ft)	S.W.L. (ft)	TOC Elevation (ft)	Groundwater Elevation (ft)	pH. (su)	E.h. (mV)	S.C. (uS/cm)	T (Celsius)	Sample Time	H2O Volume Req'd (gal)	H2O Volume Purged (gal)	Comments
MBMG-2	BSB-GW-01	23.25	0.17	11.98	5529.88	5517.90	7.04	245.4	515	7.9	15:15	5.64	6.00	
BSB-A1	BSB-GW-02	57.00	0.17	36.64	5531.50	5494.86	6.71	418.5	392	10.2	12:55	10.18	11.00	
BSB-A5	BSB-GW-03	46.50	0.17	42.90	5524.62	5481.72	5.27	490.8	1349	9.7	11:35	1.80	2.10	
BSB-A6-R	BSB-GW-04	59.75	0.17	50.86	5554.41	5503.55	6.13	152.2	1974	8.8	14:00	4.45	4.50	
BSB-A6-R	BSB-GW-07	59.75	0.17	NA	5554.41	NA	NA	NA	NA	NA	14::15	NA	NA	VOC Duplicate
CLK-1	BSB-GW-05	19.00	0.17	5.02	5478.73	5473.71	6.10	152.8	1948	8.3	16:30	6.99	7.25	
CLK-2	BSB-GW-06	46.90	0.17	41.03	5511.17	5470.14	6.17	368.0	1532	9.5	16:00	2.94	4.00	
CLK-2	BSB-GW-08	46.90	0.17	NA	5511.17	NA	NA	NA	NA	NA	16:15	NA	NA	Raw, DM Duplicate
Blank	BSB-GW-09	NA	NA	NA	NA	NA	NA	NA	NA	NA	17:00	NA	NA	Field Blank

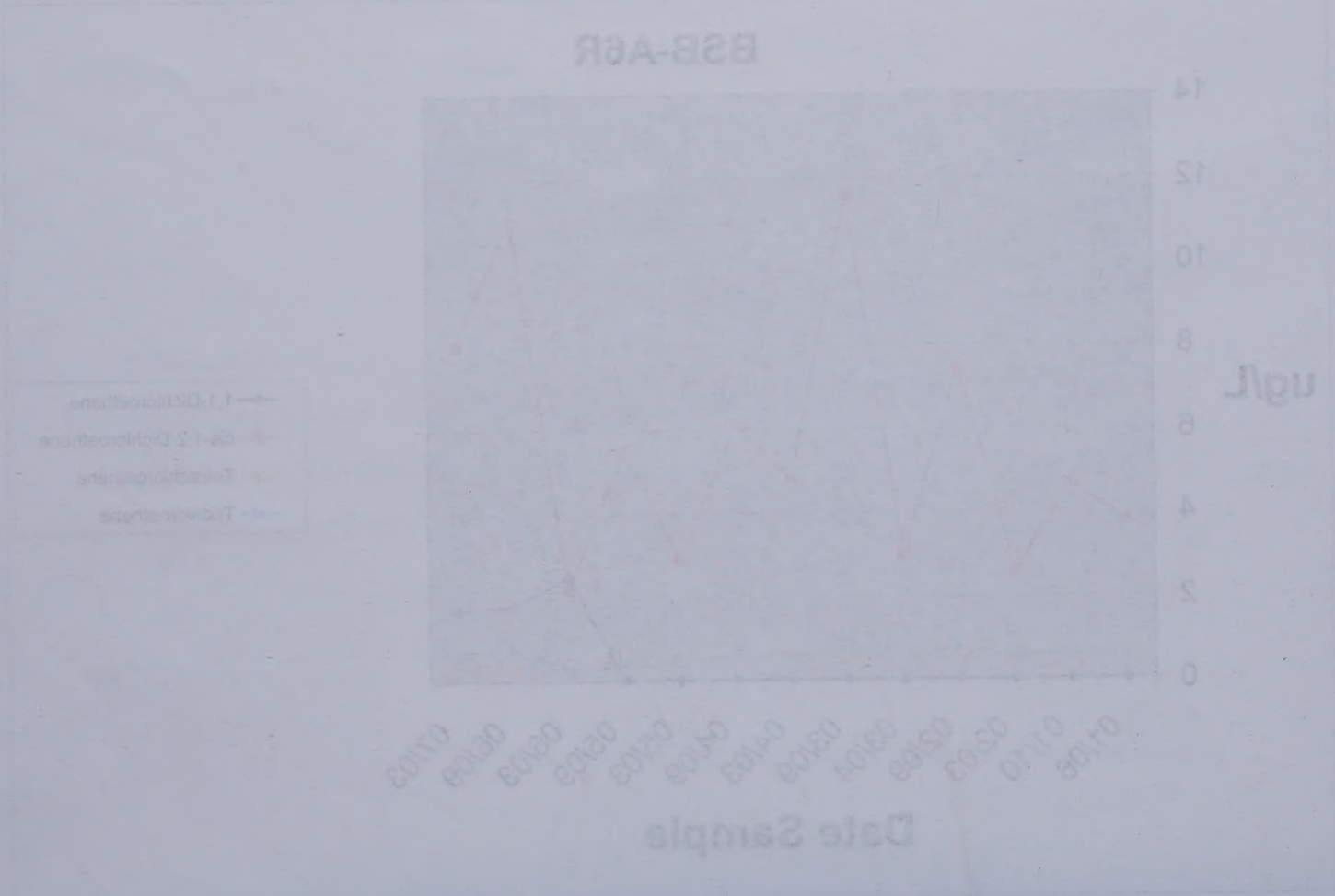
KEY:

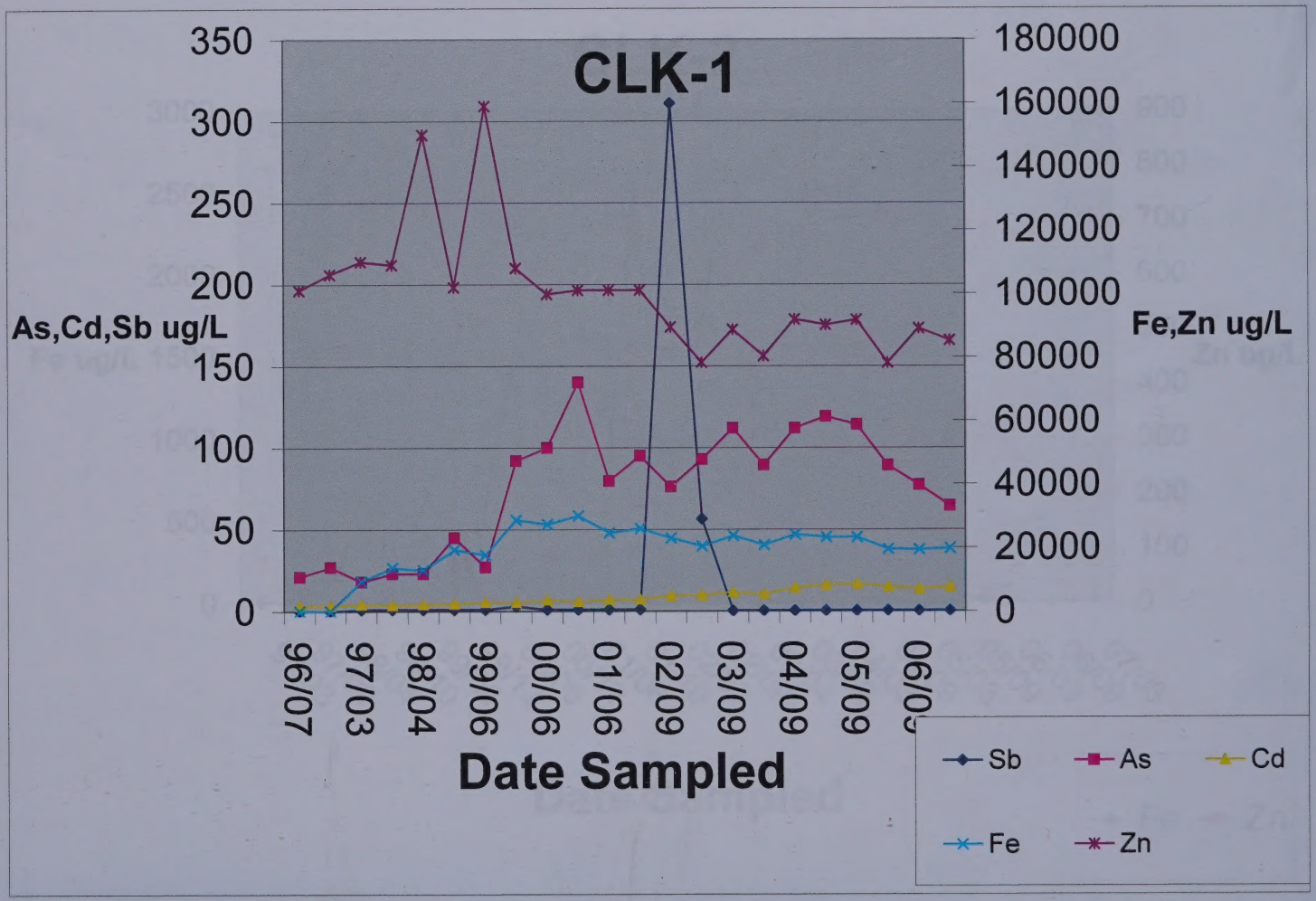
NA Measurement Not Taken

SA Sample Not Taken

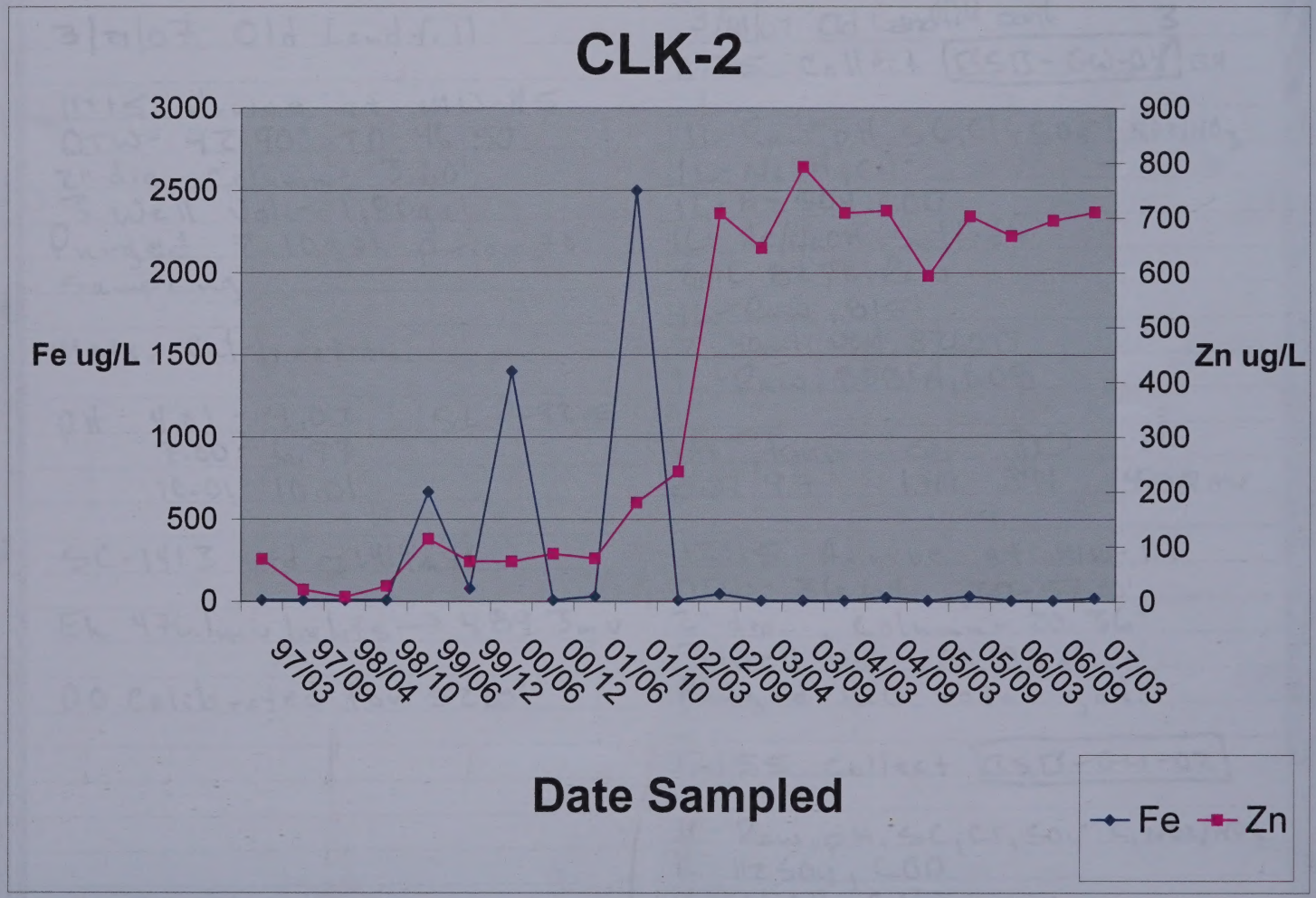

BSB-A1
ug/L
3.5
3
2.5
2
1.5
1
0.5
0
94/02
94/08
95/01
95/02
95/03
95/08
96/02
96/09
97/03
97/09
98/04
98/10
99/06
99/12
00/06
00/12
01/06
01/10
02/03
02/09
03/04
03/09
04/03
04/09
05/03
05/09
06/03
06/09
07/03
Date Sampled
1,1-Dichloroethane
cis-1,2-Dichloroethene
Tetrachloroethene
Trichloroethene


BSB-A6R
ug/L
14
12
10
8
6
4
2
0
01/06
01/10
02/03
02/09
03/04
03/09
04/03
04/09
05/03
05/09
06/03
06/09
07/03
Date Sample
1,1-Dichloroethane
cis-1,2-Dichloroethene
Tetrachloroethene
Trichloroethene




CLK-1
As,Cd,Sb ug/L
Fe,Zn ug/L
350
300
250
200
150
100
50
0
180000
160000
140000
120000
100000
80000
60000
40000
20000
0
96/07
97/03
98/04
99/06
00/06
01/06
02/09
03/09
04/09
05/09
06/0
Date Sampled
Sb
As
Cd
Fe
Zn

CLK-1
Date Sampled
As,Cd,Sb ug/L
Fe,Zn ug/L
0
50
100
150
200
250
300
350
0
20000
40000
60000
80000
100000
120000
140000
160000
180000
07/03
08/04
09/05
10/06
11/07
12/08
01/09
02/09
03/09
04/09
05/09
06/09
Sb
As
Cd
Fe
Zn


CLK-2
Fe ug/L
Zn ug/L
3000
2500
2000
1500
1000
500
0
900
800
700
600
500
400
300
200
100
0
97/03
97/09
98/04
98/10
99/06
99/12
00/06
00/12
01/06
01/10
02/03
02/09
03/04
03/09
04/03
04/09
05/03
05/09
06/03
06/09
07/03
Date Sampled
Fe
Zn

3/21/07 Old Landfill

11:15 Arrive at MW-A5
DTW- 42.90', TD- 46.50
2"-dia, Column- 3.60'
3 Well Vol.- 1.80gal.
Purged 2.10gal, prior to sampling

Meter Calibration:

pH 4.01 - 4.02 SLP-92.5
7.00 - 6.97
10.01 - 10.01

SC-1413 std - 1414uS/cm

Eh 476.1mv lights → 489.3mv

DO Calibrated for 5200'

3/21/07 Old Landfill cont. 3

11:35 Collect BSB-GW-04 BH

1L-Raw, pH, SC, Cl^-, SO_4^{-2}, NO_2/NO_3
1L-NaOH, CN^-
1L-H_2SO_4, COD
1L-Ac/NaOH, Sulfide
2-1L-8270, Raw
1L-Raw, 8151
2-40ml VOA, 8260B
1L-Raw, 8081A, 608

pH	temp	SC	DO	eh
5.27	9.7	1349	3.94	490.8 mv

12:15 Arrive at MW-A1
DTW- 36.64, TD-57.00'
2"-dia, Column- 20.36'
3 Well Vol.- 10.18 gal.
Purged 11.0 total gal.

12:55 Collect BSB-GW-02

1L-Raw, pH, SC, Cl^-, SO_4^{-2}, NO_2/NO_3
1L-H_2SO_4, COD
1L-NaOH, CN^-

3/21/07 GW-02 (cont.)

1L- ZnAc/NaOH, Sulfide
1L- Raw, 8151
1L- Raw, 608/8081
2-1L- Raw, 8270
2 40ml VOA, 8260

pH	temp.	SC	DO	EH
6.71	10.2	392	3.33	418.5

1335 Arrive @ MW-A6R
DTW- 50.86 TD- 59.75'
2" dia column - 8.89
3 well volumes - 4.5 Gallons
Purged 4.5 gallons prior to sampling

1400 Collect BSB-GW-04

1 L- Raw, pH, SC, Cl^-, SO_4^{-2}, NO_2/NO_3
1L- NaOH, CN^-
1L- H_2SO_4, COD
1L- AC/NaOH, Sulfide
2-1L-glass - 8270, Raw
1-1L-glass, - Raw, 8151
1-1L glass, Raw-8081A, 608

BSB-GW-04 cont

2-40 ml, HCL, VOA, 8260

pH	Temp	SC	DO	eH
6.13	8.8	1974	3.80	152.2

1415 Collect BSB-GW-07

2-40 ml, HCL, VOA-8260

Duplicate of BSB-GW-04

1453 Arrive @ MBMG-2
DTW- 11.98' TD - 23.25
2" casing column - 11.27
3 well vols - 5.75
Purged 6 gallons prior to Sampling.

1515 Collect BSB-GW-01

1 L- Raw, ph, SC, Cl^-, SO_4^{-2}, NO_2/NO_3
1L- NaOH, CN^-
1 L- H_2SO_4, COD

BSB-GW-01 cont

1-1 L, AC/NaOH, Sulfide
1-1 L, Filt/HNO_3, DM-Sb, As, Ba, Be, Cd
Cr, Cu, Fe, Pb, Hg, Ni, Se, Ag, Tl, V, Zn
2-1 L Glass, Raw, SVOCS-8270
1-1 L Glass, Raw, PCB, organochloride, 8081A 608
1-1 L Glass, Raw, 8151, herbicides
2-40 ml Vials, HCL, VOA-8260

pH	temp	SC	DO	eH
7.04	7.9	515	~~4.53~~ 4.44	245.4

15:40 Arrive @ CLK-2
DTW-41.03' TD-46.90'
2" casing water column-5.87'
3 well vols-3 gallons
Purged 4.0 gallons prior to sampling. (measured)

1549 Begin purging using 2 stage 12 volt pump, purging at 0.5 gpm.

16:00 Collect BSB-GW-06

16:15 Collect BSB-GW-08
Duplicate sample CLK-2

1L-Raw, pH, SC, Cl^-, SO_4^{--}
1L-Filt/HNO_3, Dissolved Metals

pH	Temp.	SC	DO	EL
6.17	9.5	1532	1.14	368.0

16:15 Arrive at CLK-1
DTW-5.02', TD-19.00'
2"-dia., column-13.98'
3 well vol.-7.0 gal.
Purged 7.25 total gal.

1630 collect BSB-GW-05

1L-Raw, pH, SC, DO, EL
1L-Filt/HNO_3, Dissolved Metals

pH	Temp	SC	DO	EL
6.10	8.3	1948	1.49	152.8

1700 Collect BSB-GW-09

1-1 L Raw, Poly, pH, SC, Cl^-, SO_4^{-2}, NO_2/NO_3
1-1 L Filt/HNO_3, DM - Sb, As, Ba, Be
Cd, Cr, Cu, Fe, Pb, Hg, Ni, Se, Ag, Tl
V, Zn

Raw bottle - Rinsed 3 times - w/DI then DI water poured directly in
DM Bottle - DI Water from Raw bottle filtered w/peristolic pump into DM bottle - Bottle rinsed 3 times then filled, preserved w/ HNO3

FIELD BLANK

Meter Recheck

pH 4.01 → 4.00
7.00 → 6.96
10.01 → 9.9~~4~~5 7
SC 1413 us/cm standard → 1415 us/cm
eH 476.1 mV lites → 488.4

Ch 7 Part 1 Um 1 Part 4 ESA

Q2 Find the new equilibrium when the price of the product → 100

$P_0 = 100$

$Q_0 = 200$

$P_1 = 80$

Market Equilibrium

Effect of taxes

Price

Assume the price elasticity of demand is 1.

Demand curve shifts inward by the amount of the tax.

Supply curve shifts upward by the amount of the tax.

Tax per unit = 20

Supply curve shifts upward by 20

$P_s = 1$

$P_d = 1$

$Q_s = 1$

$Q_d = 1$

$P_s = 1 + 1 = 2$

$P_d = 1 + 1 = 2$

$Q_s = 1 + 1 = 2$

$Q_d = 1 + 1 = 2$

$P_s = P_d$

$Q_s = Q_d$

$P_s = P_d = 2$

$Q_s = Q_d = 2$

$P_s = P_d = 2$

$Q_s = Q_d = 2$

$P_s = P_d = 2$

$Q_s = Q_d = 2

Monday, April 23, 2007

Analytical Laboratory

Shawn Bisch
Pioneer Technical Services
P.O. Box 3445
Butte, MT 59701

RE: Old BSB Landfill – Revised Report Work Order: 0703197

Dear Shawn Bisch:

On 6/12/2007, I received a call from Brad Holloman requesting re-analysis of sample BSBGW05 (0703197-005) for nickel. The nickel value presented in our original report was significantly higher than historical data. The sample was re-analyzed for nickel and the results were non-detect. The original, falsely elevated results were due to an incorrect phosphorus correction that has been removed from the method. I have attached a copy of the corrective action report for this revised analytical report as well as the revised results for sample BSBGW05.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Marcee Cameron

Marcee Cameron
Laboratory Director/ Chemist
406-494-7371

Enclosure

Monday, April 23, 2007

Analytical Laboratory

Shawn Bisch
Pioneer Technical Services
P.O. Box 3448
Butte, MT 59702

RE: Old Elk Landfill – Revised Report Work Order: 0703187

Dear Shawn Bisch:

On 3/12/2007, I received a call from Sara Hollamon requesting re-analysis of sample 0703187-0007 for nickel. The original report showed a quantitation report was significantly higher than historical data. The sample was re-analyzed for nickel and the results were non-detect. This original, falsely elevated results were due to an incorrect microgram correction that has been removed from the method. I have attached a copy of the corrective action report for this revised multi-level report, as well as the revised results for sample 0703187.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Maxine Cannon
Laboratory Director Cl Small
(406-431-7311)

Enc: xxx

MSE Lab Services

Corrective Action Report

Date Initiated: 12-Jun-07 **Corrective Action Report ID:** 15

Initiated By: Marcee Cameron **Department:** ME

Corrective Action Description

CAR Summary: Nickel value for sample 005 is not consistent w/historical data.

Description of Nonconformance: Brad Holloman from PTS called on 6/12/07 at 11:00. Sample 0703197-005 (client id BSBGW05) has a nickel value of 783 ug/L, and historically it has been much lower than that. Please re-check.

Description of Corrective Action: Re-analyze sample 0703197-005 at several different dilutions to verify accuracy of value.

Performed By: Marcee Cameron **Completion Date:** 12-Jun-07

Client Notification

Client Notification Required: Yes **Notified By:** Marcee Cameron

Comment: Notified Brad Holloman on 6/18/07.

Quality Assurance Review

Nonconformance Type: Anomaly

Further Action required by QA: Sample re-analyzed 6/12/07 at 5X, 10X, and 25X dilutions - all results non-detect. False high value due to incorrect inter-element correction from phosphorus. This correction has been removed.

Approval and Closure

Technical Director / Deputy Tech. Dir.: Marcee Cameron Close Date: 18-Jun-07

Marcee Cameron

QA Officer Approval: Mindy McCarthy QA Date: 18-Jun-07

Mindy McCarthy

Last Updated BY mcameron Updated: 18-Jun-2007 1:09 PM Reported: 18-Jun-2007 1:10 PM

MSE Lab Services

Date: *18-Jun-07*

CLIENT: Pioneer Technical Services
Lab Order: 0703197
Project: OLD BSB LANDFILL 7002
Lab ID: 0703197-005 CLK-1

Client Sample ID: BSB-GW-05
Collection Date: 3/21/2007 4:30:00 PM
Matrix: AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
ICP-AES METALS, DISSOLVED/DIRECT			**E200.7**	**SW3005A**			Analyst: **CR**
Antimony	<MDL	121.15	300	U	µg/L	5	4/5/2007
Barium	29.2	1.06	50	B	µg/L	1	4/5/2007
Iron	19800	13.7	200		µg/L	1	4/5/2007
Nickel	<MDL	104.4	200	U	ug/L	5	6/12/2007
Vanadium	<MDL	18.5	125	U	µg/L	5	4/5/2007
Zinc	85200	7.34	60		µg/L	1	4/5/2007
ICP-MS METALS, DISSOLVED/DIRECT			**E200.8**	**SW3005A**			Analyst: **SW**
Arsenic	64.3	0.043	1		µg/L	1	4/4/2007
Beryllium	0.406	0.051	1	B	µg/L	1	4/4/2007
Cadmium	15.1	0.022	1		µg/L	1	4/4/2007
Chromium	<MDL	0.448	5	U	µg/L	1	4/4/2007
Copper	1.42	0.245	5	B	µg/L	1	4/4/2007
Lead	0.077	0.008	1	B	µg/L	1	4/4/2007
Selenium	6.46	0.388	5		µg/L	1	4/4/2007
Silver	0.183	0.15	1	B	µg/L	1	4/4/2007
Thallium	0.038	0.021	1	B	µg/L	1	4/4/2007
SW846 - AQUEOUS DISSOLVED MERCURY			**SW7470A**	**SW7470A**			Analyst: **KJ**
Mercury	<MDL	0.0295	0.1	U	µg/L	1	4/11/2007
ANIONS BY ION CHROMATOGRAPHY			**E300.0**				Analyst: **SW**
Chloride	31.9	0.162	0.5		mg/L	2	3/22/2007
Nitrogen, Nitrate-Nitrite	0.114	0.026	0.1		mg/L	2	3/22/2007
Sulfate	1380	1.06	10		mg/L	20	3/30/2007
PH MEASUREMENT-WATER			**E150.1**				Analyst: **DH**
pH	6.2	0.083	0.1		SU	1	3/23/2007
CONDUCTIVITY			**A2510B**				Analyst: **DH**
Specific Conductivity	2330	0.422	1		µmhos/cm	1	3/23/2007

MC **Review**

Definitions:
- B Analyte detected below the Reporting Limit
- H Holding times for preparation or analysis exceeded
- U Not Detected at the Method Detection Limit (MDL)
- CRQL Contract Required Quantitation Limit (ILMO6.X)
- MDL Method Detection Limit

Friday, April 20, 2007

RECEIVED
APR 25 2007

MSE Analytical Laboratory

Shawn Bisch
Pioneer Technical Services
P.O. Box 3445
Butte, MT 59701

RE: OLD BSB LANDFILL 7002 Work Order: 0703197

Dear Shawn Bisch:

MSE Lab Services received 10 sample(s) on 3/22/2007 for the analyses presented in the following report.

Please find enclosed analytical results for the sample(s) received at the MSE Laboratory.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Marcee Cameron

Marcee Cameron
Laboratory Director/ Chemist
406-494-7371

Enclosure

MSE Lab Services

Date: *23-Apr-07*

CLIENT: Pioneer Technical Services
Lab Order: 0703197
Project: OLD BSB LANDFILL 7002
Lab ID: 0703197-001 MBM6-2

Client Sample ID: BSB-GW-01
Collection Date: 3/21/2007 3:15:00 PM
Matrix: AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
ICP-AES METALS, DISSOLVED/DIRECT			**E200.7**	**SW3005A**			Analyst: **CR**
Antimony	<MDL	24.23	60	U	µg/L	1	4/5/2007
Barium	126	1.06	50		µg/L	1	4/5/2007
Iron	<MDL	13.7	200	U	µg/L	1	4/5/2007
Nickel	<MDL	20.88	40	U	µg/L	1	4/5/2007
Vanadium	9.43	3.7	25	B	µg/L	1	4/5/2007
Zinc	8.81	7.34	60	B	µg/L	1	4/5/2007
ICP-MS METALS, DISSOLVED/DIRECT			**E200.8**	**SW3005A**			Analyst: **SW**
Arsenic	1.42	0.043	1		µg/L	1	4/4/2007
Beryllium	<MDL	0.051	1	U	µg/L	1	4/4/2007
Cadmium	0.080	0.022	1	B	µg/L	1	4/4/2007
Chromium	0.804	0.448	5	B	µg/L	1	4/4/2007
Copper	1.24	0.245	5	B	µg/L	1	4/4/2007
Lead	0.036	0.008	1	B	µg/L	1	4/4/2007
Selenium	2.44	0.388	5	B	µg/L	1	4/4/2007
Silver	<MDL	0.15	1	U	µg/L	1	4/4/2007
Thallium	0.036	0.021	1	B	µg/L	1	4/4/2007
SW846 - AQUEOUS DISSOLVED MERCURY			**SW7470A**	**SW7470A**			Analyst: **KJ**
Mercury	0.053	0.0295	0.1	B	µg/L	1	4/11/2007
ANIONS BY ION CHROMATOGRAPHY			**E300.0**				Analyst: **SW**
Chloride	49.5	0.162	0.5		mg/L	2	3/22/2007
Nitrogen, Nitrate-Nitrite	5.49	0.026	0.1		mg/L	2	3/22/2007
Sulfate	129	0.106	1		mg/L	2	3/22/2007
CHEMICAL OXYGEN DEMAND - E410.1			**E410.1**				Analyst: **CR**
Chemical Oxygen Demand	7.9	7.32	10	B	mg/L	1	4/13/2007
PH MEASUREMENT-WATER			**E150.1**				Analyst: **DH**
pH	6.7	0.083	0.1		SU	1	3/23/2007
CONDUCTIVITY			**A2510B**				Analyst: **DH**
Specific Conductivity	727	0.422	1		µmhos/cm	1	3/23/2007

Review

Definitions:
- B Analyte detected below the Reporting Limit
- H Holding times for preparation or analysis exceeded
- U Not Detected at the Method Detection Limit (MDL)
- CRQL Contract Required Quantitation Limit (ILMO6.X)
- MDL Method Detection Limit

MSE-TA Analytical Laboratory
P.O. Box 4078
200 Technology Way
Butte, MT 59701
Lab: 406-494-7334
Fax: 406-494-7230
labinfo@mse-ta.com

MBE Lab-Services

Date: 27-Aug-07

CLIENT: Pacific Technical Services
Lab Order: 0707127
Project: CLO 659 LANDFILL 2002
Lab ID: 0708127-001

Client Sample ID: 659-GW-01
Collection Date: 8/27/2007 3:15:00 PM

Matrix: AQUEOUS

Analyses	Result	MDL	CRQL Qualifier	Units	DF	Date Analyzed
ICP-MS METALS, DISSOLVED VERIFICATION			E200.7	SW3005A		Analyst: CR
Antimony	<MDL	0.0125	0.0	µg/L	1	8/28/2007
Barium	1.01	0.0	0.0	µg/L	1	8/28/2007
Iron	<MDL	0.07	0.0	µg/L	1	8/28/2007
Nickel	<MDL	0.0180	0.0	µg/L	1	8/28/2007
Thallium	0.43	0.1	0.0	µg/L	1	8/28/2007
Zinc	0.61	0.24	0.0	µg/L	1	8/28/2007
ICP-MS METALS, DISSOLVED DIRECT			E200.8	SW3005A		Analyst: SW
Arsenic	1.0	0.030	1	µg/L	1	8/28/2007
Beryllium	<MDL	0.081	1	µg/L	1	8/28/2007
Cadmium	0.100	0.025	1	µg/L	1	8/28/2007
Chromium	0.809	0.449	5	µg/L	1	8/28/2007
Copper	1.3	0.343	5	µg/L	1	8/28/2007
Lead	0.038	0.034	1	µg/L	1	8/28/2007
Selenium	2.41	0.396	5	µg/L	1	8/28/2007
Silver	<MDL	0.17	1	µg/L	1	8/28/2007
Thallium	0.038	0.027	1	µg/L	1	8/28/2007
SW846 - ALDRICH DISSOLVED MERCURY			SW7470A	SW7470A		Analyst: KJ
Mercury	0.000	0.0259	0.1	µg/L	1	8/31/2007
AIROMS BY ION CHROMATOGRAPHY			E300.0			Analyst: SW
Chloride	48.1	0.187	0.0	mg/L	2	8/27/2007
Nitrogen, Nitrite (N)	<0.0	0.024	0.1	mg/L	2	8/27/2007
Sulfate	190	0.797	1	mg/L	2	8/27/2007
CHLORINE DIOXIDE DEMAND - E410.1			E410.1			Analyst: CR
Chlorine Dioxide Demand	28	2.02	10	mg/L	1	8/28/2007
pH DISSOLVED-NEXT WATER			E150.1			Analyst: DH
pH	8.7	0.000	0.1	SU	1	8/28/2007
CONDUCTIVITY			A2510B			Analyst: DH
Specific Conductance	1127	0.425	1	µmhos/cm	1	8/28/2007

Reviewed by: _____

Definitions:
B - Analyte detected in the laboratory blank
H - Analyte was in the sample at a higher concentration
Q - Not Detected at the Reporting Limit (See MDL)

CRQL - Contract Required Quantitation Limit (UNDL)
DF - Dilution Factor (unitless)

MBE Lab-Services
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MSE Lab Services

Date: *23-Apr-07*

CLIENT: Pioneer Technical Services
Lab Order: 0703197
Project: OLD BSB LANDFILL 7002
Lab ID: 0703197-001

Client Sample ID: BSB-GW-01
Collection Date: 3/21/2007 3:15:00 PM
Matrix: AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
CONDUCTIVITY			**A2510B**				Analyst: **DH**
SULFIDE IN WATER			**A4500-S2-D**				Analyst: **CR**
S2-	<MDL	0.355	0.5	UH	mg/L	1	4/2/2007
TOTAL CYANIDE BY DISTILLATION			**E335.2**				Analyst: **CR**
Cyanide, Total	1.92	1.814	5	B	µg/L	1	4/2/2007

Review

Definitions:

B	Analyte detected below the Reporting Limit	CRQL	Contract Required Quantitation Limit (ILMO6.X)
H	Holding times for preparation or analysis exceeded	MDL	Method Detection Limit
U	Not Detected at the Method Detection Limit (MDL)		

MSE Lab Services

Date: *23-Apr-07*

CLIENT: Pioneer Technical Services
Client Sample ID: BSB-GW-02
Lab Order: 0703197
Collection Date: 3/21/2007 12:55:00 PM
Project: OLD BSB LANDFILL 7002
Lab ID: 0703197-002 BSB-A1
Matrix: AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY			**E300.0**				Analyst: **SW**
Chloride	16.7	0.162	0.5		mg/L	2	3/22/2007
Nitrogen, Nitrate-Nitrite	0.246	0.026	0.1		mg/L	2	3/22/2007
Sulfate	87.6	0.106	1		mg/L	2	3/22/2007
CHEMICAL OXYGEN DEMAND - E410.1			**E410.1**				Analyst: **CR**
Chemical Oxygen Demand	<MDL	7.32	10	U	mg/L	1	4/13/2007
PH MEASUREMENT-WATER			**E150.1**				Analyst: **DH**
pH	6.9	0.083	0.1		SU	1	3/23/2007
CONDUCTIVITY			**A2510B**				Analyst: **DH**
Specific Conductivity	482	0.422	1		µmhos/cm	1	3/23/2007
SULFIDE IN WATER			**A4500-S2-D**				Analyst: **CR**
S2-	<MDL	0.355	0.5	UH	mg/L	1	4/2/2007
TOTAL CYANIDE BY DISTILLATION			**E335.2**				Analyst: **CR**
Cyanide, Total	3.30	1.814	5	B	µg/L	1	4/2/2007

Review

Definitions:

B	Analyte detected below the Reporting Limit	CRQL	Contract Required Quantitation Limit (ILMO6.X)
H	Holding times for preparation or analysis exceeded	MDL	Method Detection Limit
U	Not Detected at the Method Detection Limit (MDL)		

MSE Lab Services

Date: *23-Apr-07*

CLIENT: Pioneer Technical Services
Lab Order: 0703197
Project: OLD BSB LANDFILL 7002
Lab ID: 0703197-003 BSB-A5

Client Sample ID: BSB-GW-03
Collection Date: 3/21/2007 11:35:00 AM
Matrix: AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY			**E300.0**				Analyst: **SW**
Chloride	27.6	0.162	0.5		mg/L	2	3/22/2007
Nitrogen, Nitrate-Nitrite	3.64	0.026	0.1		mg/L	2	3/22/2007
Sulfate	833	1.06	10		mg/L	20	3/30/2007
CHEMICAL OXYGEN DEMAND - E410.1			**E410.1**				Analyst: **CR**
Chemical Oxygen Demand	9.8	7.32	10	B	mg/L	1	4/13/2007
PH MEASUREMENT-WATER			**E150.1**				Analyst: **DH**
pH	6.1	0.083	0.1		SU	1	3/23/2007
CONDUCTIVITY			**A2510B**				Analyst: **DH**
Specific Conductivity	1620	0.422	1		µmhos/cm	1	3/23/2007
SULFIDE IN WATER			**A4500-S2-D**				Analyst: **CR**
S2-	<MDL	0.355	0.5	UH	mg/L	1	4/2/2007
TOTAL CYANIDE BY DISTILLATION			**E335.2**				Analyst: **CR**
Cyanide, Total	<MDL	1.814	5	U	µg/L	1	4/2/2007

Review

Definitions:
- B Analyte detected below the Reporting Limit
- H Holding times for preparation or analysis exceeded
- U Not Detected at the Method Detection Limit (MDL)
- CRQL Contract Required Quantitation Limit (ILMO6.X)
- MDL Method Detection Limit

MSE Lab Services

Date: *23-Apr-07*

CLIENT: Pioneer Technical Services
Lab Order: 0703197
Project: OLD BSB LANDFILL 7002
Lab ID: 0703197-004 BSB-A6-R

Client Sample ID: BSB-GW-04
Collection Date: 3/21/2007 2:00:00 PM
Matrix: AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY			**E300.0**				Analyst: **SW**
Chloride	53.6	0.162	0.5		mg/L	2	3/22/2007
Nitrogen, Nitrate-Nitrite	0.036	0.026	0.1	B	mg/L	2	3/22/2007
Sulfate	1200	1.06	10		mg/L	20	3/30/2007
CHEMICAL OXYGEN DEMAND - E410.1			**E410.1**				Analyst: **CR**
Chemical Oxygen Demand	7.9	7.32	10	B	mg/L	1	4/13/2007
PH MEASUREMENT-WATER			**E150.1**				Analyst: **DH**
pH	6.1	0.083	0.1		SU	1	3/23/2007
CONDUCTIVITY			**A2510B**				Analyst: **DH**
Specific Conductivity	2300	0.422	1		µmhos/cm	1	3/23/2007
SULFIDE IN WATER			**A4500-S2-D**				Analyst: **CR**
S2-	<MDL	0.355	0.5	UH	mg/L	1	4/2/2007
TOTAL CYANIDE BY DISTILLATION			**E335.2**				Analyst: **CR**
Cyanide, Total	<MDL	1.814	5	U	µg/L	1	4/2/2007

Review

Definitions:

B	Analyte detected below the Reporting Limit	CRQL	Contract Required Quantitation Limit (ILMO6.X)
H	Holding times for preparation or analysis exceeded	MDL	Method Detection Limit
U	Not Detected at the Method Detection Limit (MDL)		

MSE Lab Services

Date: *23-Apr-07*

CLIENT: Pioneer Technical Services
Lab Order: 0703197
Project: OLD BSB LANDFILL 7002
Lab ID: 0703197-005

Client Sample ID: BSB-GW-05
Collection Date: 3/21/2007 4:30:00 PM
CLK-1
Matrix: AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
ICP-AES METALS, DISSOLVED/DIRECT			**E200.7**	**SW3005A**			Analyst: **CR**
Antimony	<MDL	121.15	300	U	µg/L	5	4/5/2007
Barium	29.2	1.06	50	B	µg/L	1	4/5/2007
Iron	19800	13.7	200		µg/L	1	4/5/2007
Nickel	783	104.4	200		µg/L	5	4/5/2007
Vanadium	<MDL	18.5	125	U	µg/L	5	4/5/2007
Zinc	85200	7.34	60		µg/L	1	4/5/2007
ICP-MS METALS, DISSOLVED/DIRECT			**E200.8**	**SW3005A**			Analyst: **SW**
Arsenic	64.3	0.043	1		µg/L	1	4/4/2007
Beryllium	0.406	0.051	1	B	µg/L	1	4/4/2007
Cadmium	15.1	0.022	1		µg/L	1	4/4/2007
Chromium	<MDL	0.448	5	U	µg/L	1	4/4/2007
Copper	1.42	0.245	5	B	µg/L	1	4/4/2007
Lead	0.077	0.008	1	B	µg/L	1	4/4/2007
Selenium	6.46	0.388	5		µg/L	1	4/4/2007
Silver	0.183	0.15	1	B	µg/L	1	4/4/2007
Thallium	0.038	0.021	1	B	µg/L	1	4/4/2007
SW846 - AQUEOUS DISSOLVED MERCURY			**SW7470A**	**SW7470A**			Analyst: **KJ**
Mercury	<MDL	0.0295	0.1	U	µg/L	1	4/11/2007
ANIONS BY ION CHROMATOGRAPHY			**E300.0**				Analyst: **SW**
Chloride	31.9	0.162	0.5		mg/L	2	3/22/2007
Nitrogen, Nitrate-Nitrite	0.114	0.026	0.1		mg/L	2	3/22/2007
Sulfate	1380	1.06	10		mg/L	20	3/30/2007
PH MEASUREMENT-WATER			**E150.1**				Analyst: **DH**
pH	6.2	0.083	0.1		SU	1	3/23/2007
CONDUCTIVITY			**A2510B**				Analyst: **DH**
Specific Conductivity	2330	0.422	1		µmhos/cm	1	3/23/2007

mm **Review**

Definitions:
- B Analyte detected below the Reporting Limit
- H Holding times for preparation or analysis exceeded
- U Not Detected at the Method Detection Limit (MDL)
- CRQL Contract Required Quantitation Limit (ILMO6.X)
- MDL Method Detection Limit

MSE Lab Services

Date: *23-Apr-07*

CLIENT: Pioneer Technical Services
Lab Order: 0703197
Project: OLD BSB LANDFILL 7002
Lab ID: 0703197-006

Client Sample ID: BSB-GW-06
Collection Date: 3/21/2007 4:00:00 PM
CLK-2
Matrix: AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
ICP-AES METALS, DISSOLVED/DIRECT			**E200.7**	**SW3005A**			Analyst: **CR**
Antimony	<MDL	24.23	60	U	µg/L	1	4/5/2007
Barium	23.6	1.06	50	B	µg/L	1	4/5/2007
Iron	19.4	13.7	200	B	µg/L	1	4/5/2007
Nickel	<MDL	20.88	40	U	µg/L	1	4/5/2007
Vanadium	<MDL	3.7	25	U	µg/L	1	4/5/2007
Zinc	710	7.34	60		µg/L	1	4/5/2007
ICP-MS METALS, DISSOLVED/DIRECT			**E200.8**	**SW3005A**			Analyst: **SW**
Arsenic	1.77	0.043	1		µg/L	1	4/4/2007
Beryllium	<MDL	0.051	1	U	µg/L	1	4/4/2007
Cadmium	0.783	0.022	1	B	µg/L	1	4/4/2007
Chromium	0.557	0.448	5	B	µg/L	1	4/4/2007
Copper	4.32	0.245	5	B	µg/L	1	4/4/2007
Lead	0.039	0.008	1	B	µg/L	1	4/4/2007
Selenium	3.26	0.388	5	B	µg/L	1	4/4/2007
Silver	<MDL	0.15	1	U	µg/L	1	4/4/2007
Thallium	<MDL	0.021	1	U	µg/L	1	4/4/2007
SW846 - AQUEOUS DISSOLVED MERCURY			**SW7470A**	**SW7470A**			Analyst: **KJ**
Mercury	0.039	0.0295	0.1	B	µg/L	1	4/11/2007
ANIONS BY ION CHROMATOGRAPHY			**E300.0**				Analyst: **SW**
Chloride	57.9	0.162	0.5		mg/L	2	3/22/2007
Nitrogen, Nitrate-Nitrite	0.888	0.026	0.1		mg/L	2	3/22/2007
Sulfate	843	1.06	10		mg/L	20	3/30/2007
PH MEASUREMENT-WATER			**E150.1**				Analyst: **DH**
pH	6.5	0.083	0.1		SU	1	3/23/2007
CONDUCTIVITY			**A2510B**				Analyst: **DH**
Specific Conductivity	1880	0.422	1		µmhos/cm	1	3/23/2007

hm **Review**

Definitions:
- B Analyte detected below the Reporting Limit
- H Holding times for preparation or analysis exceeded
- U Not Detected at the Method Detection Limit (MDL)
- CRQL Contract Required Quantitation Limit (ILMO6.X)
- MDL Method Detection Limit

MSE Lab Services

Date: 23-Apr-07

CLIENT:	Pioneer Technical Services	Client Sample ID:	BS8-SW-08
Lab Order:	0703107	Collection Date:	3/21/2007 4:00:00 PM
Project:	DLD 936 LANDFILL 2007		
Lab ID:	0703107-05a	Matrix:	AQUEOUS

Analyses	Result	MDL	CRQL Qualifier	Units	DF	Date Analyzed
ION-ACID METHOD, DISSOLVED-DIRECT			23200.2	SW7196A		Analyst: CG
Antimony	*NDX	24.23	60	ug/L	1	4/5/2007
Barium	27.6	1.20	20	ug/L	1	4/5/2007
Iron	49.6	43.7	300	ug/L	1	4/5/2007
Lead	*NDX	20.80	40	ug/L	1	4/5/2007
Vanadium	*NDX	3.7	24	ug/L	1	4/5/2007
Zinc	7.0	7.34	20	ug/L	1	4/5/2007
ION-ACID METHOD, DISSOLVED-DIRECT			23202.3	SW7060A		Analyst: SW
Arsenic	*NDX	8.023	7	ug/L	1	4/4/2007
Selenium	*NDX	8.031	7	ug/L	1	4/4/2007
Cadmium	0.174	0.075	2	ug/L	1	4/4/2007
Chromium	2.807	0.849	3	ug/L	1	4/4/2007
Copper	4.22	0.249	5	ug/L	1	4/4/2007
Lead	0.029	0.026	1	ug/L	1	4/4/2007
Selenium	2.25	0.369	5	ug/L	1	4/4/2007
Silver	*NDX	0.18	1	ug/L	1	4/4/2007
Thallium	*NDX	0.031	1	ug/L	1	4/4/2007
SW846 - ADUSOVS DISSOLVED MERCURY			SW7470A	SW7470A		Analyst: KL
Mercury	0.020	0.0	0.2	ug/L	1	4/17/2007
ANIONS BY ION CHROMATOGRAPHY			23200.6			Analyst: SW
Chloride	27.8	0.728	0.5	mg/L	2	3/22/2007
Nitrogen, Nitrate-Nitrite	0	0.059	0.1	mg/L	2	3/22/2007
Sulfate	4.0	1.0	10	mg/L	20	3/22/2007
BY SEASURENENT-ALKALITY			23150.1			Analyst: DH
pH	8.4	0.000	0.1	S.U.	1	3/22/2007
CONDUCTIVITY			23151.2			Analyst: DH
Specific Conductivity	1640	0.420	1	umhos/cm	1	3/22/2007

Qualifiers:
B - Analyte detected in the associated blank
H - Holding time for preparation or analysis exceeded
U - Not detected at the reported detection limit

QC Qualifiers:
*NDX - Control limit for analyte not met
NDX - Below detection limit

Review

MSE Lab Services

Date: *23-Apr-07*

CLIENT: Pioneer Technical Services
Lab Order: 0703197
Project: OLD BSB LANDFILL 7002
Lab ID: 0703197-007

Client Sample ID: BSB-GW-08
Collection Date: 3/21/2007 4:15:00 PM

CLK-2 Dup

Matrix: AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
ICP-AES METALS, DISSOLVED/DIRECT			**E200.7**	**SW3005A**			Analyst: **CR**
Antimony	30.4	24.23	60	B	µg/L	1	4/5/2007
Barium	22.2	1.06	50	B	µg/L	1	4/5/2007
Iron	<MDL	13.7	200	U	µg/L	1	4/5/2007
Nickel	<MDL	20.88	40	U	µg/L	1	4/5/2007
Vanadium	<MDL	3.7	25	U	µg/L	1	4/5/2007
Zinc	789	7.34	60		µg/L	1	4/5/2007
ICP-MS METALS, DISSOLVED/DIRECT			**E200.8**	**SW3005A**			Analyst: **SW**
Arsenic	1.84	0.043	1		µg/L	1	4/4/2007
Beryllium	<MDL	0.051	1	U	µg/L	1	4/4/2007
Cadmium	0.871	0.022	1	B	µg/L	1	4/4/2007
Chromium	0.780	0.448	5	B	µg/L	1	4/4/2007
Copper	4.07	0.245	5	B	µg/L	1	4/4/2007
Lead	0.060	0.008	1	B	µg/L	1	4/4/2007
Selenium	3.39	0.388	5	B	µg/L	1	4/4/2007
Silver	<MDL	0.15	1	U	µg/L	1	4/4/2007
Thallium	<MDL	0.021	1	U	µg/L	1	4/4/2007
SW846 - AQUEOUS DISSOLVED MERCURY			**SW7470A**	**SW7470A**			Analyst: **KJ**
Mercury	0.046	0.0295	0.1	B	µg/L	1	4/11/2007
ANIONS BY ION CHROMATOGRAPHY			**E300.0**				Analyst: **SW**
Chloride	59.3	0.162	0.5		mg/L	2	3/22/2007
Nitrogen, Nitrate-Nitrite	0.949	0.026	0.1		mg/L	2	3/22/2007
Sulfate	837	1.06	10		mg/L	20	3/30/2007
PH MEASUREMENT-WATER			**E150.1**				Analyst: **DH**
pH	6.5	0.083	0.1		SU	1	3/23/2007
CONDUCTIVITY			**A2510B**				Analyst: **DH**
Specific Conductivity	1880	0.422	1		µmhos/cm	1	3/23/2007

Review

Definitions:

B	Analyte detected below the Reporting Limit	CRQL	Contract Required Quantitation Limit (ILMO6.X)
H	Holding times for preparation or analysis exceeded	MDL	Method Detection Limit
U	Not Detected at the Method Detection Limit (MDL)		

MSE Lab Services

Date: *23-Apr-07*

CLIENT: Pioneer Technical Services
Lab Order: 0703197
Project: OLD BSB LANDFILL 7002
Lab ID: 0703197-008 Field Blank

Client Sample ID: BSB-GW-09
Collection Date: 3/21/2007 5:00:00 PM
Matrix: AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
ICP-AES METALS, DISSOLVED/DIRECT			**E200.7**	**SW3005A**			Analyst: **CR**
Antimony	<MDL	24.23	60	U	µg/L	1	4/5/2007
Barium	<MDL	1.06	50	U	µg/L	1	4/5/2007
Iron	16.5	13.7	200	B	µg/L	1	4/5/2007
Nickel	<MDL	20.88	40	U	µg/L	1	4/5/2007
Vanadium	4.80	3.7	25	B	µg/L	1	4/5/2007
Zinc	<MDL	7.34	60	U	µg/L	1	4/5/2007
ICP-MS METALS, DISSOLVED/DIRECT			**E200.8**	**SW3005A**			Analyst: **SW**
Arsenic	<MDL	0.043	1	U	µg/L	1	4/4/2007
Beryllium	<MDL	0.051	1	U	µg/L	1	4/4/2007
Cadmium	<MDL	0.022	1	U	µg/L	1	4/4/2007
Chromium	0.855	0.448	5	B	µg/L	1	4/4/2007
Copper	<MDL	0.245	5	U	µg/L	1	4/4/2007
Lead	0.042	0.008	1	B	µg/L	1	4/4/2007
Selenium	<MDL	0.388	5	U	µg/L	1	4/4/2007
Silver	<MDL	0.15	1	U	µg/L	1	4/4/2007
Thallium	<MDL	0.021	1	U	µg/L	1	4/4/2007
SW846 - AQUEOUS DISSOLVED MERCURY			**SW7470A**	**SW7470A**			Analyst: **KJ**
Mercury	<MDL		0.1	UH	µg/L	1	4/20/2007
ANIONS BY ION CHROMATOGRAPHY			**E300.0**				Analyst: **SW**
Chloride	<MDL	0.081	0.25	U	mg/L	1	3/22/2007
Nitrogen, Nitrate-Nitrite	<MDL	0.013	0.05	U	mg/L	1	3/22/2007
Sulfate	0.084	0.053	0.5	B	mg/L	1	3/22/2007
PH MEASUREMENT-WATER			**E150.1**				Analyst: **DH**
pH	8.3	0.083	0.1		SU	1	3/23/2007
CONDUCTIVITY			**A2510B**				Analyst: **DH**
Specific Conductivity	ND	0.422	1		µmhos/cm	1	3/23/2007

mm **Review**

Definitions:
- B Analyte detected below the Reporting Limit
- H Holding times for preparation or analysis exceeded
- U Not Detected at the Method Detection Limit (MDL)
- CRQL Contract Required Quantitation Limit (ILMO6.X)
- MDL Method Detection Limit

MSE Lab Services

CLIENT:	Pioneer Technical Services	**Client Sample ID:**	SS2-0-V-20
Lab Order:	0703197	**Collection Date:**	3/19/2007 2:00:00 PM
Project:	O.U.2 SS1 LANDFILL TOCS		
Lab ID:	0703197-002	**Matrix:**	AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
ICP-AES METALS, DISSOLVED (SW6010B)			**E200.7**		**SW3005A**		**Analyst: CG**
Antimony	<MDL	0.021	60		ug/L	1	3/20/07
Arsenic	<MDL	0.03	50		ug/L	1	3/20/07
Barium	16.4	0.03	100		ug/L	1	3/20/07
Beryllium	<MDL	0.001	40		ug/L	1	3/20/07
Cadmium	1.60	0.7	20		ug/L	1	3/20/07
Zinc	<MDL	2.14	50		ug/L	1	3/20/07
ICP-MS METALS, DISSOLVED (SW6020)			**E200.8**		**SW3005A**		**Analyst: SW**
Arsenic	<MDL	0.041	1		ug/L	1	3/20/07
Barium	<MDL	0.06	1		ug/L	1	3/20/07
Cadmium	<MDL	0.002	1		ug/L	1	3/20/07
Chromium	0.850	0.449	1		ug/L	1	3/20/07
Copper	<MDL	0.025	1		ug/L	1	3/20/07
Lead	0.062	0.024	1		ug/L	1	3/20/07
Selenium	<MDL	0.061	1		ug/L	1	3/20/07
Silver	<MDL	0.11	1		ug/L	1	3/20/07
Thallium	<MDL	0.021	1		ug/L	1	3/20/07
SW9040 - ADJUSTED DISSOLVED MATRIX			**SW1140A**		**SW3010A**		**Analyst: MJ**
Density	<MDL	0.1	1.0		g/cc	1	3/20/07
ANIONS BY ION CHROMATOGRAPH			**E300.0**				**Analyst: SW**
Chloride	<MDL	0.067	0.25		mg/L	1	3/20/07
Nitrate, Nitrite mg/L	<MDL	0.015	0.25		mg/L	1	3/20/07
Sulfate	0.084	0.058	0.25		mg/L	1	3/20/07
PH IN AQUEOUS WATER			**E150.1**				**Analyst: CH**
pH	7.8	0.000	1.0		SU	1	3/20/07
CONDUCTIVITY			**A2510B**				**Analyst: CH**
Specific Conductivity	ND	0.425	1		umhos/cm	1	3/20/07

Qualifiers:

B - Analyte detected below the Reporting Limit

E - Value above the calibration or analytical range

D - The Reporting Limit is the Method Reporting Limit (MRL)

MDL - Method Detection Limit (MDL) is the lowest level that can be reported

MQL - Method Quantitation Limit

NWW Review

Reviewer:	Jeff Dominguez	Date: 3/20/07	Page 9 of 19
Signature:	Date: 3/20/07	Date: 3/20/07	

MSE Lab Services

Date: *23-Apr-07*

CLIENT: Pioneer Technical Services
Lab Order: 0703197
Project: OLD BSB LANDFILL 7002
Lab ID: 0703197-009

Client Sample ID: SRM-METALS
Collection Date: 2/14/2007
Matrix: AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
ICP-AES METALS, DISSOLVED/DIRECT			**E200.7**	**SW3005A**			Analyst: **CR**
Antimony	438	24.23	60		µg/L	1	4/5/2007
Barium	435	1.06	50		µg/L	1	4/5/2007
Iron	436	13.7	200		µg/L	1	4/5/2007
Nickel	420	20.88	40		µg/L	1	4/5/2007
Vanadium	422	3.7	25		µg/L	1	4/5/2007
Zinc	443	7.34	60		µg/L	1	4/5/2007
ICP-MS METALS, DISSOLVED/DIRECT			**E200.8**	**SW3005A**			Analyst: **SW**
Arsenic	372	0.043	1		µg/L	1	4/4/2007
Beryllium	349	0.051	1		µg/L	1	4/4/2007
Cadmium	369	0.022	1		µg/L	1	4/4/2007
Chromium	365	0.448	5		µg/L	1	4/4/2007
Copper	365	0.245	5		µg/L	1	4/4/2007
Lead	369	0.008	1		µg/L	1	4/4/2007
Selenium	379	0.388	5		µg/L	1	4/4/2007
Silver	54.1	0.15	1		µg/L	1	4/4/2007
Thallium	359	0.021	1		µg/L	1	4/4/2007
SW846 - AQUEOUS DISSOLVED MERCURY			**SW7470A**	**SW7470A**			Analyst: **KJ**
Mercury	0.034	0.0295	0.1	BH	µg/L	1	4/11/2007

Review

Definitions:
- B Analyte detected below the Reporting Limit
- H Holding times for preparation or analysis exceeded
- U Not Detected at the Method Detection Limit (MDL)
- CRQL Contract Required Quantitation Limit (ILMO6.X)
- MDL Method Detection Limit

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Date: 23-Apr-07
Report Date: 20-Apr-07

QA/QC SUMMARY REPORT

Client: Pioneer Technical Services
Project: OLD BSB LANDFILL 7002
Work Order: 0703197
BatchID: 687

Analyte	Result	CRQL	Units	Spike Lvl	% Rec	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Sample ID: ***PB***			*Method:* ***E200.7***		*Batch ID:* ***687***		*Analysis Date:* ***4/5/2007***			
Antimony	<MDL	60.0	µg/L							U
Barium	<MDL	50.0	µg/L							U
Iron	<MDL	200	µg/L							U
Nickel	<MDL	40.0	µg/L							U
Vanadium	3.79	25.0	µg/L							B
Zinc	<MDL	60.0	µg/L							U
Sample ID: ***HI LCS***			*Method:* ***E200.7***		*Batch ID:* ***687***		*Analysis Date:* ***4/5/2007***			
Antimony	451	60.0	µg/L	400.0	113	80	120			
Barium	426	50.0	µg/L	400.0	107	80	120			
Iron	412	200	µg/L	400.0	103	80	120			
Nickel	401	40.0	µg/L	400.0	100	80	120			
Vanadium	413	25.0	µg/L	400.0	103	80	120			
Zinc	414	60.0	µg/L	400.0	104	80	120			
Sample ID: ***0703197-001E-HI MS***			*Method:* ***E200.7***		*Batch ID:* ***687***		*Analysis Date:* ***4/5/2007***			
Antimony	419	60.0	µg/L	400.0	105	70	130			
Barium	562	50.0	µg/L	400.0	109	70	130			
Iron	431	200	µg/L	400.0	108	70	130			
Nickel	402	40.0	µg/L	400.0	100	70	130			
Vanadium	423	25.0	µg/L	400.0	103	70	130			
Zinc	419	60.0	µg/L	400.0	103	70	130			
Sample ID: ***0703197-001E-HI MSD***			*Method:* ***E200.7***		*Batch ID:* ***687***		*Analysis Date:* ***4/5/2007***			
Antimony	433	60.0	µg/L	400.0	108	70	130	3.11	20	
Barium	551	50.0	µg/L	400.0	106	70	130	1.94	20	
Iron	424	200	µg/L	400.0	106	70	130	1.51	20	
Nickel	404	40.0	µg/L	400.0	101	70	130	0.489	20	
Vanadium	422	25.0	µg/L	400.0	103	70	130	0.0852	20	
Zinc	411	60.0	µg/L	400.0	100	70	130	1.99	20	
Sample ID: ***PB***			*Method:* ***E200.8***		*Batch ID:* ***687***		*Analysis Date:* ***4/4/2007***			
Arsenic	<MDL	1.00	µg/L							U
Beryllium	<MDL	1.00	µg/L							U
Cadmium	<MDL	1.00	µg/L							U
Copper	<MDL	5.00	µg/L							U
Lead	<MDL	1.00	µg/L							U
Selenium	<MDL	5.00	µg/L							U
Silver	<MDL	1.00	µg/L							U
Thallium	0.023	1.00	µg/L							B
Sample ID: ***LO LCS***			*Method:* ***E200.8***		*Batch ID:* ***687***		*Analysis Date:* ***4/4/2007***			
Arsenic	36.8	1.00	µg/L	40.00	92.1	85	115			

SW **Review**

Qualifiers:

* RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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Date: 23-Apr-07
Report Date: 20-Apr-07

QA/QC SUMMARY REPORT

Client: Pioneer Technical Services
Project: OLD BSB LANDFILL 7002
Work Order: 0703197
BatchID: 687

Analyte	Result	CRQL	Units	Spike Lvl	% Rec	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Sample ID: ***LO LCS***			*Method:* ***E200.8***		*Batch ID:* ***687***		*Analysis Date:* ***4/4/2007***			
Beryllium	48.3	1.00	µg/L	50.00	96.6	85	115			
Cadmium	4.79	1.00	µg/L	5.000	95.8	85	115			
Copper	249	5.00	µg/L	250.0	99.6	85	115			
Lead	19.6	1.00	µg/L	20.00	98.2	85	115			
Selenium	9.39	5.00	µg/L	10.00	93.9	85	115			
Silver	47.2	1.00	µg/L	50.00	94.4	85	115			
Thallium	47.6	1.00	µg/L	50.00	95.2	85	115			
Sample ID: ***0703197-001E LOMS***			*Method:* ***E200.8***		*Batch ID:* ***687***		*Analysis Date:* ***4/4/2007***			
Arsenic	38.1	1.00	µg/L	40.00	91.8	75	125			
Beryllium	44.5	1.00	µg/L	50.00	88.9	75	125			
Cadmium	4.69	1.00	µg/L	5.000	92.2	75	125			
Copper	231	5.00	µg/L	250.0	91.9	75	125			
Lead	18.7	1.00	µg/L	20.00	93.2	75	125			
Selenium	11.9	5.00	µg/L	10.00	94.4	75	125			
Silver	44.5	1.00	µg/L	50.00	88.9	75	125			
Thallium	46.4	1.00	µg/L	50.00	92.7	75	125			
Sample ID: ***0703197-001E LOMSD***			*Method:* ***E200.8***		*Batch ID:* ***687***		*Analysis Date:* ***4/4/2007***			
Arsenic	38.7	1.00	µg/L	40.00	93.2	75	125	1.44	20	
Beryllium	47.2	1.00	µg/L	50.00	94.4	75	125	5.92	20	
Cadmium	4.83	1.00	µg/L	5.000	95.0	75	125	2.90	20	
Copper	235	5.00	µg/L	250.0	93.4	75	125	1.62	20	
Lead	19.7	1.00	µg/L	20.00	98.4	75	125	5.38	20	
Selenium	12.1	5.00	µg/L	10.00	96.9	75	125	2.12	20	
Silver	45.4	1.00	µg/L	50.00	90.8	75	125	2.02	20	
Thallium	48.5	1.00	µg/L	50.00	97.0	75	125	4.61	20	
Sample ID: ***PB***			*Method:* ***E200.8***		*Batch ID:* ***687***		*Analysis Date:* ***4/4/2007***			
Chromium	<MDL	5.00	µg/L							U
Sample ID: ***LO LCS***			*Method:* ***E200.8***		*Batch ID:* ***687***		*Analysis Date:* ***4/4/2007***			
Chromium	190	5.00	µg/L	200.0	95.1	85	115			
Sample ID: ***0703197-001E LOMS***			*Method:* ***E200.8***		*Batch ID:* ***687***		*Analysis Date:* ***4/4/2007***			
Chromium	177	5.00	µg/L	200.0	88.1	75	125			
Sample ID: ***0703197-001E LOMSD***			*Method:* ***E200.8***		*Batch ID:* ***687***		*Analysis Date:* ***4/4/2007***			
Chromium	180	5.00	µg/L	200.0	89.5	75	125	1.54	20	

SW **Review**

Qualifiers:

* RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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Date: 23-Apr-07
Report Date: 20-Apr-07

QA/QC SUMMARY REPORT

Client: Pioneer Technical Services
Project: OLD BSB LANDFILL 7002
Work Order: 0703197
BatchID: 720

Analyte	Result	CRQL	Units	Spike Lvl	% Rec	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Sample ID: ***720-PB***			*Method:* ***SW7470A***		*Batch ID:* ***720***			*Analysis Date:*	***4/11/2007***	
Mercury	<MDL	0.100	µg/L							U
Sample ID: ***LCS-720***			*Method:* ***SW7470A***		*Batch ID:* ***720***			*Analysis Date:*	***4/11/2007***	
Mercury	6.89	0.100	µg/L	7.000	98.5	80	120			
Sample ID: ***0703197-005E-MS***			*Method:* ***SW7470A***		*Batch ID:* ***720***			*Analysis Date:*	***4/11/2007***	
Mercury	0.842	0.100	µg/L	1.000	84.2	75	125			
Sample ID: ***0703197-005E-MSD***			*Method:* ***SW7470A***		*Batch ID:* ***720***			*Analysis Date:*	***4/11/2007***	
Mercury	0.815	0.100	µg/L	1.000	81.5	75	125	3.29	20	

SW **Review**

Qualifiers:

* RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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Date: 23-Apr-07
Report Date: 20-Apr-07

QA/QC SUMMARY REPORT

Client: Pioneer Technical Services
Project: OLD BSB LANDFILL 7002
Work Order: 0703197
BatchID: R2983

Analyte	Result	CRQL	Units	Spike Lvl	% Rec	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Sample ID: ***LRB***			*Method:* ***E300.0***		*Batch ID:* ***R2983***			*Analysis Date:*	***3/22/2007***	
Chloride	<MDL	0.250	mg/L							U
Nitrogen, Nitrate-Nitrite	<MDL	0.050	mg/L							U
Sulfate	<MDL	0.500	mg/L							U
Sample ID: ***LFB#791 3/29/07***			*Method:* ***E300.0***		*Batch ID:* ***R2983***			*Analysis Date:*	***3/22/2007***	
Chloride	10.3	0.250	mg/L	10.00	103	90	110			
Nitrogen, Nitrate-Nitrite	3.98	0.050	mg/L	4.000	99.6	90	110			
Sulfate	19.3	0.500	mg/L	20.00	96.6	90	110			
Sample ID: ***0703197-001AD***			*Method:* ***E300.0***		*Batch ID:* ***R2983***			*Analysis Date:*	***3/22/2007***	
Chloride	49.5	0.500	mg/L					0.145	20	
Nitrogen, Nitrate-Nitrite	5.48	0.100	mg/L					0.168	20	
Sulfate	128	1.00	mg/L					0.309	20	
Sample ID: ***0703197-001ALFM***			*Method:* ***E300.0***		*Batch ID:* ***R2983***			*Analysis Date:*	***3/22/2007***	
Chloride	69.4	0.500	mg/L	20.00	99.3	80	120			
Nitrogen, Nitrate-Nitrite	13.6	0.100	mg/L	8.000	102	80	120			
Sulfate	167	1.00	mg/L	40.00	96.1	80	120			
Sample ID: ***0703197-005AD***			*Method:* ***E300.0***		*Batch ID:* ***R2983***			*Analysis Date:*	***3/22/2007***	
Chloride	32.0	0.500	mg/L					0.345	20	
Nitrogen, Nitrate-Nitrite	0.116	0.100	mg/L					1.56	20	
Sample ID: ***0703197-005ALFM***			*Method:* ***E300.0***		*Batch ID:* ***R2983***			*Analysis Date:*	***3/22/2007***	
Chloride	51.5	0.500	mg/L	20.00	98.1	80	120			
Nitrogen, Nitrate-Nitrite	8.18	0.100	mg/L	8.000	101	80	120			

SW **Review**

Qualifiers:

* RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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Date: 23-Apr-07
Report Date: 20-Apr-07

QA/QC SUMMARY REPORT

Client: Pioneer Technical Services
Project: OLD BSB LANDFILL 7002
Work Order: 0703197
BatchID: R3002

Analyte	Result	CRQL	Units	Spike Lvl	% Rec	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Sample ID: ***0703197-001C-D***			*Method:* ***A4500-S2-D***		*Batch ID:* ***R3002***			*Analysis Date:*	***4/2/2007***	
S2-	<MDL	0.50	mg/L					0	20	UH
Sample ID: ***0703197-001C-S***			*Method:* ***A4500-S2-D***		*Batch ID:* ***R3002***			*Analysis Date:*	***4/2/2007***	
S2-	2.0	0.50	mg/L	2.000	103	75	125			H
Sample ID: ***LFB Q5247***			*Method:* ***A4500-S2-D***		*Batch ID:* ***R3002***			*Analysis Date:*	***4/2/2007***	
S2-	2.0	0.50	mg/L	2.000	98.5	75	125			
Sample ID: ***LCS Q5247***			*Method:* ***A4500-S2-D***		*Batch ID:* ***R3002***			*Analysis Date:*	***4/2/2007***	
S2-	9.8	0.50	mg/L	10.00	97.7	80	120			
Sample ID: ***BLANK***			*Method:* ***A4500-S2-D***		*Batch ID:* ***R3002***			*Analysis Date:*	***4/2/2007***	
S2-	<MDL	0.50	mg/L							U

SW **Review**

Qualifiers:

* RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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Date: 23-Apr-07
Report Date: 20-Apr-07

QA/QC SUMMARY REPORT

Client: Pioneer Technical Services
Project: OLD BSB LANDFILL 7002
Work Order: 0703197
BatchID: R3008

Analyte	Result	CRQL	Units	Spike Lvl	% Rec	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Sample ID: ***LRB***			*Method:* ***E300.0***		*Batch ID:* ***R3008***			*Analysis Date:*	***3/30/2007***	
Sulfate	<MDL	0.500	mg/L							U
Sample ID: ***LFB#795 4/5/07***			*Method:* ***E300.0***		*Batch ID:* ***R3008***			*Analysis Date:*	***3/30/2007***	
Sulfate	19.4	0.500	mg/L	20.00	96.9	90	110			
Sample ID: ***0703197-003AD***			*Method:* ***E300.0***		*Batch ID:* ***R3008***			*Analysis Date:*	***3/30/2007***	
Sulfate	833	10.0	mg/L					0.0552	20	
Sample ID: ***0703197-003ALFM***			*Method:* ***E300.0***		*Batch ID:* ***R3008***			*Analysis Date:*	***3/30/2007***	
Sulfate	1200	10.0	mg/L	400.0	92.4	80	120			

SW **Review**

Qualifiers:

* RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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Date: 23-Apr-07
Report Date: 20-Apr-07

QA/QC SUMMARY REPORT

Client: Pioneer Technical Services
Project: OLD BSB LANDFILL 7002
Work Order: 0703197
BatchID: R3026

Analyte	Result	CRQL	Units	Spike Lvl	% Rec	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Sample ID: ***0703197-001B-D***			*Method:* ***E335.2***		*Batch ID:* ***R3026***			*Analysis Date:*	***4/2/2007***	
Cyanide, Total	<MDL	5.00	µg/L					0	20	U
Sample ID: ***0703197-001B-S***			*Method:* ***E335.2***		*Batch ID:* ***R3026***			*Analysis Date:*	***4/2/2007***	
Cyanide, Total	98.55	5.00	µg/L	100.0	96.6	75	125			
Sample ID: ***LFB WC1467***			*Method:* ***E335.2***		*Batch ID:* ***R3026***			*Analysis Date:*	***4/2/2007***	
Cyanide, Total	95.10	5.00	µg/L	100.0	95.1	80	120			
Sample ID: ***LCS WC1468***			*Method:* ***E335.2***		*Batch ID:* ***R3026***			*Analysis Date:*	***4/2/2007***	
Cyanide, Total	100.6	5.00	µg/L	100.0	101	80	120			
Sample ID: ***BLANK***			*Method:* ***E335.2***		*Batch ID:* ***R3026***			*Analysis Date:*	***4/2/2007***	
Cyanide, Total	<MDL	5.00	µg/L							U

SW **Review**

Qualifiers:

* RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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Date: 23-Apr-07
Report Date: 20-Apr-07

QA/QC SUMMARY REPORT

Client: Pioneer Technical Services
Project: OLD BSB LANDFILL 7002
Work Order: 0703197
BatchID: R3147

Analyte	Result	CRQL	Units	Spike Lvl	% Rec	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Sample ID: ***0703197-001D-D***			*Method:* ***E410.1***		*Batch ID:* ***R3147***			*Analysis Date:* ***4/13/2007***		
Chemical Oxygen De	7.9	10	mg/L							B
Sample ID: ***0703197-001D-S***			*Method:* ***E410.1***		*Batch ID:* ***R3147***			*Analysis Date:* ***4/13/2007***		
Chemical Oxygen De	101	10	mg/L	100.0	101	75	125			
Sample ID: ***LFB***			*Method:* ***E410.1***		*Batch ID:* ***R3147***			*Analysis Date:* ***4/13/2007***		
Chemical Oxygen De	96.9	10	mg/L	100.0	96.9	80	120			
Sample ID: ***LCS Q4871***			*Method:* ***E410.1***		*Batch ID:* ***R3147***			*Analysis Date:* ***4/13/2007***		
Chemical Oxygen De	149	10	mg/L	150.0	99.2	80	120			
Sample ID: ***BLANK***			*Method:* ***E410.1***		*Batch ID:* ***R3147***			*Analysis Date:* ***4/13/2007***		
Chemical Oxygen De	<MDL	10	mg/L							U

SW **Review**

Qualifiers:

* RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

FORM MSE-169
(Init. 06/06)

MSE Technology Applications, Inc.
Laboratory Services

CHAIN OF CUSTODY

PROJECT ID: Old Landfill 7002

LABORATORY PERFORMING ANALYSIS: MSE/HKM

SAMPLERS (Signature): Julie Flammang

ANALYSIS REQUESTED

SAMPLE ID	LAB ID	DATE	TIME	pH, Sc, Cl, SO4, NO2/NO3	CN-	COD	Dm-Sk, As, Ba, Be, Cd, Cr, Cu, Fe	Pb, Hg, Ni, Se, Ag, Tl, N, Zn	Sulfide		REMARKS
BSB-GW-01	070397-001A-E	3/21/07	1515	X	X	X	X		X		
BSB-GW-02	002A-E	↓	1255	X	X	X			X		
BSB-GW-03	003A-E	↓	1135	X	X	X			X		
BSB-GW-04	004A-E	↓	1400	X	X	X			X		

REMARKS:

Turnaround Time (TAT)

☒ Standard TAT

☐ Rush TAT (please contact laboratory personnel for arrangements)

handdelivered in cooler
0.0°C - 1.5°C

Results to ~~Sha~~ Shawn Risch, PTS

RELINQUISHED BY (Signature)	DATE	TIME	RECEIVED BY (Signature)	DATE	TIME
Julie Flammang	3/22/07	1440	Sara Ward	3/22/07	1440
PRINTED NAME: Julie Flammang	COMPANY: Pioneer		PRINTED NAME: Sara Ward	COMPANY: MSE-TA	
RELINQUISHED BY (Signature)	DATE	TIME	RECEIVED BY (Signature)	DATE	TIME
PRINTED NAME	COMPANY		PRINTED NAME	COMPANY	
RELINQUISHED BY (Signature)	DATE	TIME	RECEIVED BY (Signature)	DATE	TIME
PRINTED NAME	COMPANY		PRINTED NAME	COMPANY	

COMMENTS:
Invoice to:
Gary Keeler,
BSB Public Works Dept.
126 W. Granite
Butte Mt

MSE LABORATORY SERVICES
200 Technology Way, P.O. Box 4078
Butte, MT 59701
PH: (406) 494-7334 / FAX: (406) 494-7230

Atlantic Richfield Company
bp
A BP affiliated company

Chain of Custody Record

164515

Project Name: Old Butte Silver Bow Landfill
BP BU/AR Region/Enfos Segment:
State or Lead Regulatory Agency: MDEQ
Requested Due Date (mm/dd/yy):

Page ___ of ___

On-site Time:	2000	Temp:	
Off-site Time:	Logbook	Temp:	
Sky Conditions:			
Meteorological Events:			
Wind Speed:		Direction:	

Lab Name: MDE-TA	BP/AR Facility No.:	Consultant/Contractor: Pioneer Technical Services
Address: 2005 Technology Way Butte, MT 59701	BP/AR Facility Address:	Address: 63 1/2 W Broadway Butte, MT
	Site Lat/Long:	
Lab PM: Marcee Cameron	California Global ID No.:	Consultant/Contractor Project No.: 7002
Tele/Fax: 494-7100	Enfos Project No.:	Consultant/Contractor PM: Shawn Birch
BP/AR EBM:	Provision or OOC (circle one)	Tele/Fax: 406-563-9371
Address:	Phase/WBS:	Report Type & QC Level:
	Sub Phase/Task:	E-mail EDD To: Brad Wollamon
Tele/Fax:	Cost Element:	Invoice to: Consultant or BP or Atlantic Richfield Co. (circle one)

Lab Bottle Order No: 070397

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Water/Liquid	Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	H_2SO_4	HNO_3	HCl	Methanol	Requested Analysis: PHSE 8270	NO3/NO2	DM* Se 1st								Sample Point Lat/Long and Comments
1	BSB-GW-05	1630	3/21/07		✓		-005A,E	2	1		1			✓	✓									
2	BSB-GW-06	1600	3/21/07		✓		-006A,E	2	1		1			✓	✓									
3	BSB-GW-08	1615	3/21/07		✓		-007A,E	2	1		1			✓	✓									
4	BSB-GW-09	1700	3/21/07		✓		-008A,E	2	1		1			✓	✓									No QA/QC
5																								
6	SRM-Metals		2/14/07				-009E								X									*-Sb, As, Ba, Be, Cd, Cr
7																								Cu, Fe, Pb, Hg, Ni, Se
8																								Ag, Tl, V, Zn
9																								
10																								

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Julie Flammang						
Sampler's Company: Pioneer Technical	Julie Flammang / PTS	3/21/07	1440	Sara Ward / MSETA	3/22/07	1440
Shipment Date: 3/22/07						
Shipment Method: Hand Delivered						
Shipment Tracking No:						

Special Instructions: hand delivered in Cooler

Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 0.0-1.5°F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

Instructions for Completing Chain Of Custody

AR = Atlantic Richfield Company, a BP affiliated company

Page ___ of ___ *(Self explanatory)*

Project Name *(Assigned by BP/AR and provided to Laboratory by BP/AR or the Consultant/Contractor, whoever is completing the COC)*

BP BU/AR Region/Enfos Segment *(BP Business Unit or the AR Region [e.g., East Coast, Midwest, West Coast] and the Enfos Segment [e.g., Retail, Refining, OBC Mining])*

State or Lead Regulatory Agency *(State samples were collected in or lead regulatory agency especially where state or agency has specific laboratory requirements)*

Requested Due Date (mm/dd/yy) *(The date data is required – if fast turn is required the lab should be notified in advance to insure their capability to meet deadline)*

On-site Time and Temperature *(Self explanatory)*

Off-site Time and Temperature *(Self explanatory)*

Sky Conditions *(Clear, Partly Cloudy, Overcast)*

Meteorological Events *(Thunderstorms, Rain, Hail, Sleet, Snow, etc.)*

Wind Speed *(Approximate speed – mph or knots)* **Direction** *(The direction from which the wind is blowing)*

Lab Name *(Self explanatory)*

Lab Address *(Self explanatory – please include city, state and zip)*

Lab PM *(Laboratory project manager or primary contact)*

Tele/Fax: *(Lab telephone and fax numbers)*

BP/AR EBM *(EBM or project manager)*

Address *(Self explanatory – please include city, state and zip)*

Tele/Fax *(BP/AR PM telephone and fax numbers)*

BP/AR Facility No. *(Self explanatory)*

BP/AR Facility Address *(Self explanatory – please include city, state and zip)*

Site Lat/Long *(Latitude and longitude of site [include datum] / as required by regulatory agencies)*

California Global ID Mo. (Specific requirement for California Retail sites)

Enfos Project No. *(Self explanatory)*

Provision or OOC *(Circle one)*

Phase/WBS *(Enfos Phase or Work Breakdown Structure)*

Sub Phase/Task *(Enfos Sub Phase and Task)*

Cost Element *(Enfos Cost Element)*

Consultant/Contractor *(Consultant/contractor company name)*

Address *(Self explanatory – please include city, state and zip)*

Consultant/Contractor Project No. *(Number used by consultant for project)*

Consultant/Contractor PM (Consultant/contractor project manager)

Tele/Fax *(Consultant/contractor's telephone and fax numbers)*

Report Type and QC Level *(As stated in DQOs for project)*

E-mail EDD To *(Consultant must provide e-mail address when e-mail deliverable is required)*

Invoice to: Consultant/Contractor or BP or Atlantic Richfield Co. *(Circle company that invoice should be sent to)*

Lab Bottle Order Number *(Number on laboratory bottle order sheet)*

Sample Description *(Sample name, number, or other identification)*

Time and Date *(Time and date sample was collected - must be completed)*

Matrix *(Check appropriate box to indicate sample matrix)*

Laboratory No. *(Filled in at lab by lab personnel)*

No. of Containers *(Number of sample containers containing this sample)*

Preservative *(Check sample preservation or fill in blank if an unlisted preservative is used)*

Requested Analysis *(Enter and check requested analyses for each sample)*

Sample Point Lat/Long and Comments *(Latitude and longitude [include datum] as required by regulatory agencies, or other pertinent information about sample such as "on hold" or special reporting limits)*

Sampler's Name (Sampler's first and last name)

Samplers Company *(Self explanatory)*

Shipment Date *(Actual date of shipment if samples are shipped)*

Shipment Method *(FedEx, UPS, Greyhound, Slow Boat, etc.)*

Shipment Tracking No. *(Shipping number from lading ticket or air bill)*

Relinquished By / Affiliation *(Signature and company of person relinquishing custody of samples)*

Date and Time *(Date and time samples are relinquished)*

Accepted By / Affiliation *(Signature and company of person accepting custody of samples)*

Date and Time *(Date and time samples are accepted)*

Special Instructions *(Information as necessary such as special reporting limits [e.g., NPDES] that apply to all samples, etc.)*

Custody Seals, Temp Blank, Cooler Temp on Receipt, Trip Blank, MS/MSD Sample Submitted *(Laboratory personnel must complete this information upon receipt of samples)*

MSE Lab Services

Sample Receipt Checklist

Client Name **PTS-BUTTE** Date and Time Received: **3/22/2007 2:40:00 PM**

Work Order Number **0703197** RcptNo: **1** Received by **SW**

COC_ID: CoolerID:

Checklist completed by M. Cameron 3-23-07 (Signature / Date) Reviewed by Bo 3-26-07 (Initials / Date)

Matrix: Carrier name

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☐	No ☑	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☐	No ☑	
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☑	Blank ☐

004B & 4C should be above 10 pH is between 6&7 Bottle - added 2 ml ea NaOH #2722 Adjusted? Yes Checked by Bo 3-26-07

Any No and/or NA (not applicable) response must be detailed in the comments section bel

Client contacted Date contacted: Person contacted

Contacted by: Regarding

Comments: TEMP = 0-1.5C; HAND-DELIVERED IN COOLER, WITH ICE. SAMPLE LABELLED "SRM METALS" NOT PRESENT ON COC.

Corrective Action

** REPORT **

Pioneer Technical Services
Brad Hollamon
63 1/2 W Broadway
Butte MT 59701

RECEIVED
APR 11 2007

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Chain of Custody and Analytical Request Record

PLEASE PRINT, provide as much information as possible. Refer to corresponding notes on reverse side.

Company Name: Pioneer Technical Services

Project Name, PWS #, Permit #, Etc.: Old Landfill

Report Mail Address: 63 1/2 W Broadway, Butte, MT 59701

Contact Name, Phone, Fax, E-mail: Brad Hollamon 406-490-7678

Sampler Name if other than Contact: Julie Flammang

Invoice Address: Butte-Silver-Bow Works Dept, 126 W Granite, Butte, MT 59701

Invoice Contact & Phone #: Gary Keeler 406 497-6515

Purchase Order #:

ELI Quote #:

Report Required For: POTW/WWTP ☐ DW ☐ Other _____

Special Report Formats - ELI must be notified prior to sample submittal for the following:

NELAC ☐ A2LA ☐ Level IV ☐

Other _____

EDD/EDT ☐ Format _____

ANALYSIS REQUESTED

Notify ELI prior to RUSH sample submittal for additional charges and scheduling

Comments:

Shipped by: UPS Airsgnd

Cooler ID(s)

Receipt Temp: ice 4 °C

Custody Seal Intact: Y N

Signature Match: Y N

Lab ID

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	Number of Containers / Sample Type: A W S V B O / Air Water Soils/Solids Vegetation Bioassay Other / MATRIX	8081A, 608	8151	8270	8260 Short list						SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments	LABORATORY USE ONLY
1	BSB-GW-01	3/21/07	1515	6 W	✓	✓	✓	✓										1
2	BSB-GW-02	3/21/07	1255	6 W	✓	✓	✓	✓										2
3	BSB-GW-03	3/21/07	1135	6 W	✓	✓	✓	✓										3
4	BSB-GW-04	3/21/07	1400	6 W	✓	✓	✓	✓										4
5	BSB-GW-07	3/21/07	1415	2 W				✓										5
6	Trip Blank LUT 02-2007, B-1W																	6
7																		7
8																		
9																		
10																		

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Julie Flammang	3/22/07 1400	Julie Flammang			
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
			Sandy Rusch	3-23-07 9:30	

Sample Disposal: Return to client: _____ Lab Disposal: _____

LABORATORY USE ONLY

Sample Type: _____ # of fractions _____

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at *www.energylab.com* for additional information, downloadable fee schedule, forms, & links.

Chain of Custody and Analytical Request Record

Page 1 of 1

LEAVE BLANK: Invoice or other information as necessary. Refer to contract/purchase order or service order.

Company Name: Hopkins Technical Services

Address: 8218 W Farmington

Contact Person: Bullet Wilson

Phone: 734-420-1212

Project Name: Bullet-Wilson-Bob Moore Dump

Project Location: 18 & Farmington

Sampler: M. Bullet

Project Manager: Old Lamplight

Address: 1112-Pro-Drive

Phone: 734-420-1212

Sampler Signature: Bob Wilson

Laboratory Name: Great Lakes

Address: 1112-Pro-Drive

Phone: 734-420-1212

Laboratory Project No.:

Analysis Requested: Bob Wilson

Analysis Requested: Bob Wilson

Analysis Requested: Bob Wilson

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B07031876-001
Client Sample ID BSB-GW-01

Report Date: 04/10/07
Collection Date: 03/21/07 15:15
DateReceived: 03/26/07
Matrix: Aqueous

MBM6-2

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	03/26/07 14:23 / sbd
Acetonitrile	ND	ug/L		20		SW8260B	03/26/07 14:23 / sbd
Acrolein	ND	ug/L		20		SW8260B	03/26/07 14:23 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	03/26/07 14:23 / sbd
Allyl chloride	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
Benzene	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
Chloroform	0.41	ug/L	J	1.0		SW8260B	03/26/07 14:23 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
Chloroprene	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	03/26/07 14:23 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Delta Silver Bay Pulp Work Dept
Project: ON Lagoon
Lab ID: B0703 1218-001
Client Sample ID: B98-GW-01

Report Date: 04/10/07
Collection Date: 03/21/07 15:15
Date Received: 03/28/07
Matrix: Aqueous

Analytical Results

Analyte	Result	Units	Qualifiers	RL	MCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		10		SW8260B	03/30/07 14:23 / ebd
Acrylonitrile	ND	ug/L		20		SW8260B	03/30/07 14:23 / ebd
Benzene	ND	ug/L		20		SW8260B	03/30/07 14:23 / ebd
Bromobenzene	ND	ug/L		20		SW8260B	03/30/07 14:23 / ebd
Bromochloromethane	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
Bromoform	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
Bromomethane	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
Carbon disulfide	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
Chlorobenzene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
Chloroethane	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
Chloroform	0.47	ug/L	J	1.0		SW8260B	03/30/07 14:23 / ebd
Chloromethane	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
Chloroprene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
Dibromomethane	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
Ethylbenzene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd
2-Hexanone	ND	ug/L		20		SW8260B	03/30/07 14:23 / ebd
Isobutanol	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / ebd

Report RL - Analyte reporting limit
Definitions: QCL - Quality control limit
MCL - Maximum contaminant level
ND - Not detected at the reporting limit

J - Estimated value. The analyte was present but less than the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B07031876-003
Client Sample ID BSB-GW-03

Report Date: 04/10/07
Collection Date: 03/21/07 11:35
DateReceived: 03/26/07
Matrix: Aqueous

BSB-A5

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Benzo(a)anthracene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Benzo(a)pyrene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Benzo(b)fluoranthene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Benzo(g,h,i)perylene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Benzo(k)fluoranthene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Benzyl alcohol	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
bis(-2-chloroethoxy)Methane	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
bis(-2-chloroethyl)Ether	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
bis(2-chloroisopropyl)Ether	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
bis(2-ethylhexyl)Phthalate	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Butylbenzylphthalate	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Chlorobenzilate	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Chrysene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Diallate	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Dibenzo(a,h)anthracene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Dibenzofuran	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Diethyl phthalate	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Dimethoate	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Dimethyl phthalate	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Di-n-butyl phthalate	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Di-n-octyl phthalate	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Diphenylamine	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Disulfoton	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Ethyl methanesulfonate	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Famphur	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Fluoranthene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Fluorene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Hexachlorobenzene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Hexachlorobutadiene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Hexachlorocyclopentadiene	ND	ug/L		20		SW8270C	04/05/07 08:01 / dsm
Hexachloroethane	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Hexachlorophene	ND	ug/L	P			SW8270C	04/05/07 08:01 / dsm
Hexachloropropene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Indeno(1,2,3-cd)pyrene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Isophorone	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Isosafrole	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
m+p-Cresols	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Methapyrilene	ND	ug/L	P			SW8270C	04/05/07 08:01 / dsm
Methyl methanesulfonate	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Methyl parathion	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Naphthalene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Nitrobenzene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.

LABORATORY ANALYTICAL REPORT

Client: Cuba Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B0702427-003
Client Sample ID: B58-GW-03

Report Date: 03/12/07
Collection Date: 02/22/07 11:35
Date Received: 02/28/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Benzo(a)anthracene	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Benzo(a)pyrene	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Benzo(b)fluoranthene	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Benzo(g,h,i)perylene	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Benzo(k)fluoranthene	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Benzoic acid	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
bis(2-chloroethoxy)methane	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
bis(2-chloroethyl) ether	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
bis(2-chloroisopropyl)ether	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
bis(2-ethylhexyl)phthalate	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Butylbenzylphthalate	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Chrysene	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Cresols	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Dibenz(a,h)anthracene	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Dibenzofuran	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Diethylphthalate	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Dimethylphthalate	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Di-n-butylphthalate	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Di-n-octylphthalate	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Diphenylamine	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Diphenylamine	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Ethyl methanesulfonate	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Fluoranthene	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Fluorene	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Hexachlorobenzene	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Hexachlorobutadiene	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Hexachlorocyclopentadiene	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Hexachloroethane	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Hexachlorophene	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Hexachlorophene	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Hexachlorophene	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Indeno(1,2,3-cd)pyrene	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Isophorone	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Isosafrole	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Methapyrilene	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Methyl methanesulfonate	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Methyl parathion	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Naphthalene	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam
Nitrobenzene	ND	ug/L		10		SW8270C	04/05/07 06:01 / dam

Reason: RL - Reporting limit
Definitions: QCL - Quality control limit
MCL - Maximum contaminant level
MD - Not detected at the reporting limit.
R - Poor method performance. Method was below low limit when
ND - recovered at low level or other method performance

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B07031876-003
Client Sample ID BSB-GW-03

Report Date: 04/10/07
Collection Date: 03/21/07 11:35
DateReceived: 03/26/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
n-Nitrosodiethylamine	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
n-Nitrosodimethylamine	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
n-Nitroso-di-n-butylamine	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
n-Nitroso-di-n-propylamine	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
n-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
n-Nitrosomethylethylamine	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
n-Nitrosomorpholine	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
n-Nitrosopiperidine	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
n-Nitrosopyrrolidine	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
o,o,o-Triethyl phosphorothioate	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
o-Cresol	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
o-Toluidine	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
p-(dimethylamino)Azobenzene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Parathion	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
p-Chloroaniline	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Pentachlorobenzene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Pentachloronitrobenzene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Pentachlorophenol	ND	ug/L		50		SW8270C	04/05/07 08:01 / dsm
Phenacetin	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Phenanthrene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Phenol	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Phorate	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Pronamide	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Pyrene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Pyridine	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Safrole	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Sulfotep	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Thionazin	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Surr: 2,4,6-Tribromophenol	52.0	%REC			10-123	SW8270C	04/05/07 08:01 / dsm
Surr: 2-Fluorobiphenyl	55.0	%REC			43-116	SW8270C	04/05/07 08:01 / dsm
Surr: 2-Fluorophenol	28.0	%REC			21-100	SW8270C	04/05/07 08:01 / dsm
Surr: Nitrobenzene-d5	47.0	%REC			35-114	SW8270C	04/05/07 08:01 / dsm
Surr: Phenol-d5	24.0	%REC			10-94	SW8270C	04/05/07 08:01 / dsm
Surr: Terphenyl-d14	41.0	%REC			33-141	SW8270C	04/05/07 08:01 / dsm
8081A-ORGANOCHLORINE PESTICIDES							
4,4´-DDD	ND	ug/L		0.050		SW8081A	03/30/07 20:01 / ldw
4,4´-DDE	ND	ug/L		0.050		SW8081A	03/30/07 20:01 / ldw
4,4´-DDT	ND	ug/L		0.050		SW8081A	03/30/07 20:01 / ldw
Aldrin	ND	ug/L		0.050		SW8081A	03/30/07 20:01 / ldw
alpha-BHC	ND	ug/L		0.050		SW8081A	03/30/07 20:01 / ldw
alpha-Chlordane	ND	ug/L		0.050		SW8081A	03/30/07 20:01 / ldw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept.
Project: Old Landfill
Lab ID: 00 [illegible]
Client Sample ID: BSB-GW-03

Report Date: 04/10/07
Collection Date: 03/23/07 11:35
Date Received: 03/30/07
Matrix: Aqueous

Analyte	Result	Units	Qualifiers	RL	MCL / DCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
[illegible]	ND	ug/L		10		SW8270C	04/04/07 05:01 / dam
[illegible]	ND	ug/L		10		SW8270C	04/04/07 05:01 / dam
[illegible]	ND	ug/L		10		SW8270C	04/04/07 05:21 / dam
[illegible]	ND	ug/L		10		SW8270C	04/04/07 05:01 / dam
[illegible]	ND	ug/L		10		SW8270C	04/04/07 05:21 / dam
[illegible]	ND	ug/L		10		SW8270C	04/04/07 05:01

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B07031876-003
Client Sample ID BSB-GW-03

Report Date: 04/10/07
Collection Date: 03/21/07 11:35
DateReceived: 03/26/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
8081A-ORGANOCHLORINE PESTICIDES							
beta-BHC	ND	ug/L		0.050		SW8081A	03/30/07 20:01 / ldw
Chlordane	ND	ug/L		0.50		SW8081A	03/30/07 20:01 / ldw
delta-BHC	ND	ug/L		0.050		SW8081A	03/30/07 20:01 / ldw
Dieldrin	ND	ug/L		0.050		SW8081A	03/30/07 20:01 / ldw
Endosulfan I	ND	ug/L		0.050		SW8081A	03/30/07 20:01 / ldw
Endosulfan II	ND	ug/L		0.050		SW8081A	03/30/07 20:01 / ldw
Endosulfan sulfate	ND	ug/L		0.050		SW8081A	03/30/07 20:01 / ldw
Endrin	ND	ug/L		0.050		SW8081A	03/30/07 20:01 / ldw
Endrin aldehyde	ND	ug/L		0.050		SW8081A	03/30/07 20:01 / ldw
Endrin ketone	ND	ug/L		0.050		SW8081A	03/30/07 20:01 / ldw
gamma-BHC (Lindane)	ND	ug/L		0.050		SW8081A	03/30/07 20:01 / ldw
gamma-Chlordane	ND	ug/L		0.050		SW8081A	03/30/07 20:01 / ldw
Heptachlor	ND	ug/L		0.050		SW8081A	03/30/07 20:01 / ldw
Heptachlor epoxide	ND	ug/L		0.050		SW8081A	03/30/07 20:01 / ldw
Isodrin	ND	ug/L		0.050		SW8081A	03/28/07 17:46 / ldw
Kepone	ND	ug/L		0.10		SW8081A	03/28/07 17:46 / ldw
Methoxychlor	ND	ug/L		0.050		SW8081A	03/30/07 20:01 / ldw
Toxaphene	ND	ug/L		5.0		SW8081A	03/28/07 17:46 / ldw
Surr: Decachlorobiphenyl	78.0	%REC			44-119	SW8081A	03/28/07 17:46 / ldw
Surr: Tetrachloro-m-xylene	71.0	%REC			40-120	SW8081A	03/28/07 17:46 / ldw
HERBICIDES, CHLORINATED							
2,4-D	ND	ug/L		1.0		SW8151A	03/30/07 23:50 / jml
Dinoseb	ND	ug/L		1.0		SW8151A	03/30/07 23:50 / jml
2,4,5-T	ND	ug/L		0.20		SW8151A	03/30/07 23:50 / jml
2,4,5-TP (Silvex)	ND	ug/L		0.20		SW8151A	03/30/07 23:50 / jml
Surr: DCAA	78.0	%REC			57-125	SW8151A	03/30/07 23:50 / jml
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	ug/L		0.50		SW8082	03/28/07 17:46 / ldw
Aroclor 1221	ND	ug/L		0.50		SW8082	03/28/07 17:46 / ldw
Aroclor 1232	ND	ug/L		0.50		SW8082	03/28/07 17:46 / ldw
Aroclor 1242	ND	ug/L		0.50		SW8082	03/28/07 17:46 / ldw
Aroclor 1248	ND	ug/L		0.50		SW8082	03/28/07 17:46 / ldw
Aroclor 1254	ND	ug/L		0.50		SW8082	03/28/07 17:46 / ldw
Aroclor 1260	ND	ug/L		0.50		SW8082	03/28/07 17:46 / ldw
Aroclor 1262	ND	ug/L		0.50		SW8082	03/28/07 17:46 / ldw
Aroclor 1268	ND	ug/L		0.50		SW8082	03/28/07 17:46 / ldw
Surr: Decachlorobiphenyl	78.0	%REC			44-119	SW8082	03/28/07 17:46 / ldw
Surr: Tetrachloro-m-xylene	71.0	%REC			40-120	SW8082	03/28/07 17:46 / ldw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Santa Clara Flow Public Works Dept
Project: Old Lawrence
Lab ID: 9703182G-003
Client Sample ID: 0S3-GW-03

Report Date: 04/10/07
Collection Date: 03/27/07 11:30
DateReceived: 03/28/07
Matrix: Aqueous

Analyte	Result	Units	Qualifiers	RL	MCL / DCL	Method	Analysis Date / By
8021A-OXOLANOCHLORINE PESTICIDES							
Sec-BHC	ND	ug/L		0.050		SW8021A	03/30/07 20:01 / ldw
Chlordane	ND	ug/L		0.50		SW8021A	03/30/07 20:01 / ldw
delta-BHC	ND	ug/L		0.050		SW8021A	03/30/07 20:01 / ldw
Dieldrin	ND	ug/L		0.050		SW8021A	03/30/07 20:01 / ldw
Endosulfan I	ND	ug/L		0.050		SW8021A	03/30/07 20:01 / ldw
Endosulfan II	ND	ug/L		0.050		SW8021A	03/30/07 20:01 / ldw
Endosulfan sulfate	ND	ug/L		0.050		SW8021A	03/30/07 20:01 / ldw
Endrin	ND	ug/L		0.050		SW8021A	03/30/07 20:01 / ldw
Endrin aldehyde	ND	ug/L		0.050		SW8021A	03/30/07 20:01 / ldw
Endrin ketone	ND	ug/L		0.050		SW8021A	03/30/07 20:01 / ldw
gamma-BHC (Lindane)	ND	ug/L		0.050		SW8021A	03/30/07 20:01 / ldw
gamma-Chlordane	ND	ug/L		0.050		SW8021A	03/30/07 20:01 / ldw
Heptachlor	ND	ug/L		0.050		SW8021A	03/30/07 20:01 / ldw
Heptachlor epoxide	ND	ug/L		0.050		SW8021A	03/30/07 20:01 / ldw
Isodrin	ND	ug/L		0.050		SW8021A	03/30/07 20:01 / ldw
Kepone	ND	ug/L		0.50		SW8021A	03/30/07 20:01 / ldw
Methoxychlor	ND	ug/L		0.050		SW8021A	03/30/07 20:01 / ldw
Toxaphene	ND	ug/L		5.0		SW8021A	03/30/07 20:01 / ldw
Surr: Decachlorobiphenyl	72.0	%REC			44-119	SW8021A	03/30/07 20:01 / ldw
Surr: Tetrachloro-m-xylene	77.0	%REC			40-120	SW8021A	03/30/07 20:01 / ldw
HERBICIDES, CHLORINATED							
2,4-D	ND	ug/L		1.0		SW8151A	03/30/07 23:50 / ldw
Dinoseb	ND	ug/L		1.0		SW8151A	03/30/07 23:50 / ldw
2,4,5-T	ND	ug/L		0.20		SW8151A	03/30/07 23:50 / ldw
2,4,5-TP (Silvex)	ND	ug/L		0.20		SW8151A	03/30/07 23:50 / ldw
Surr: DCAA	72.0	%REC			57-124	SW8151A	03/30/07 23:50 / ldw
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	ug/L		0.50		SW8082	03/30/07 17:46 / ldw
Aroclor 1221	ND	ug/L		0.50		SW8082	03/30/07 17:46 / ldw
Aroclor 1232	ND	ug/L		0.50		SW8082	03/30/07 17:46 / ldw
Aroclor 1242	ND	ug/L		0.50		SW8082	03/30/07 17:46 / ldw
Aroclor 1248	ND	ug/L		0.50		SW8082	03/30/07 17:46 / ldw
Aroclor 1254	ND	ug/L		0.50		SW8082	03/30/07 17:46 / ldw
Aroclor 1260	ND	ug/L		0.50		SW8082	03/30/07 17:46 / ldw
Aroclor 1262	ND	ug/L		0.50		SW8082	03/30/07 17:46 / ldw
Aroclor 1268	ND	ug/L		0.50		SW8082	03/30/07 17:46 / ldw
Surr: Decachlorobiphenyl	74.0	%REC			44-119	SW8082	03/30/07 17:46 / ldw
Surr: Tetrachloro-m-xylene	77.0	%REC			40-120	SW8082	03/30/07 17:46 / ldw

Report Limit (RL) - Analytical reporting limit.
Detection Limit (DCL) - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B07031876-004
Client Sample ID BSB-GW-04

Report Date: 04/10/07
Collection Date: 03/21/07 14:00
DateReceived: 03/26/07
Matrix: Aqueous

BSB-A6-R

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	03/26/07 15:48 / sbd
Acetonitrile	ND	ug/L		20		SW8260B	03/26/07 15:48 / sbd
Acrolein	ND	ug/L		20		SW8260B	03/26/07 15:48 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	03/26/07 15:48 / sbd
Allyl chloride	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
Benzene	0.45	ug/L	J	1.0		SW8260B	03/26/07 15:48 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
Chloroethane	0.33	ug/L	J	1.0		SW8260B	03/26/07 15:48 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
Chloroprene	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
1,4-Dichlorobenzene	1.3	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
Dichlorodifluoromethane	2.7	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
1,1-Dichloroethane	1.7	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
cis-1,2-Dichloroethene	8.0	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
1,2-Dichloropropane	0.60	ug/L	J	1.0		SW8260B	03/26/07 15:48 / sbd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	03/26/07 15:48 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Gulfs Zaw Dow Pulse Wayne Dept
Project: Dil Lanfill
Lab ID: B0703 1076-004
Client Sample ID: B59-AF-2

Report Date: 04/10/07
Collection Date: 03/27/07 14:00
Date Received: 03/28/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL / QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	03/30/07 18:49 / ebd
Benzene	ND	ug/L		20		SW8260B	03/30/07 18:49 / ebd
Acrylon	ND	ug/L		20		SW8260B	03/30/07 18:49 / ebd
Acrylonitrile	ND	ug/L		20		SW8260B	03/30/07 18:49 / ebd
Allyl chloride	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
Benzene	0.49	ug/L	J	1.0		SW8260B	03/30/07 18:49 / ebd
Bromobenzene	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
Bromochloromethane	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
Bromoform	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
Bromomethane	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
2-Butanone (MEK)	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
Carbon disulfide	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
Chlorobenzene	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
Chlorobromomethane	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
Chloroethane	0.33	ug/L	J	1.0		SW8260B	03/30/07 18:49 / ebd
Chloroform	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
Chloromethane	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
Dibromochloromethane	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
Dibromomethane	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
1,1-Dichloroethane	1.7	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
cis-1,2-Dichloroethene	8.0	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
1,2-Dichloropropane	0.60	ug/L	J	1.0		SW8260B	03/30/07 18:49 / ebd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
Ethylbenzene	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
Ethyl ether	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd
2-Hexanone	ND	ug/L		20		SW8260B	03/30/07 18:49 / ebd
Isopropylbenzene	ND	ug/L		1.0		SW8260B	03/30/07 18:49 / ebd

Result - Analytical result.
Qualifiers - Qualifiers flags.
J - Estimated value. The analyte was present but less than the reporting limit.
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

ENERGY LABORATORIES

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B07031876-004
Client Sample ID BSB-GW-04

Report Date: 04/10/07
Collection Date: 03/21/07 14:00
DateReceived: 03/26/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Isobutanol	ND	ug/L		50		SW8260B	03/26/07 15:48 / sbd
Methacrylonitrile	ND	ug/L		20		SW8260B	03/26/07 15:48 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	03/26/07 15:48 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	03/26/07 15:48 / sbd
Methyl methacrylate	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
Methylene chloride	0.31	ug/L	J	1.0		SW8260B	03/26/07 15:48 / sbd
Naphthalene	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
Pentachloroethane	ND	ug/L		2.0		SW8260B	03/26/07 15:48 / sbd
Propionitrile	ND	ug/L		20		SW8260B	03/26/07 15:48 / sbd
Styrene	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
Tetrachloroethene	0.46	ug/L	J	1.0		SW8260B	03/26/07 15:48 / sbd
Toluene	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
Trichloroethene	0.58	ug/L	J	1.0		SW8260B	03/26/07 15:48 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
Vinyl chloride	3.8	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	03/26/07 15:48 / sbd
Surr: 1,2-Dichloroethane-d4	97.0	%REC			70-130	SW8260B	03/26/07 15:48 / sbd
Surr: Dibromofluoromethane	100	%REC			77-126	SW8260B	03/26/07 15:48 / sbd
Surr: p-Bromofluorobenzene	96.0	%REC			76-127	SW8260B	03/26/07 15:48 / sbd
Surr: Toluene-d8	96.0	%REC			79-122	SW8260B	03/26/07 15:48 / sbd
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4,5-Tetrachlorobenzene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
1,2-Dichlorobenzene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
1,3,5-Trinitrobenzene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
1,3-Dinitrobenzene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
1,4-Benzenediamine	ND	ug/L	P			SW8270C	04/05/07 08:32 / dsm
1,4-Dichlorobenzene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
1,4-Naphthoquinone	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
1-Methylnaphthalene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
1-Naphthylamine	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B2703187-004
Client Sample ID: BSB-GW-04

Report Date: 04/17/07
Collection Date: 03/27/07 14:00
Date Received: 03/28/07
Matrix: Aqueous

Analyte	Result	Units	Qualifiers	RL	MCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Benzene	ND	ug/L		0.5		SW8260B	03/30/07 15:48 / sad
Bromobenzene	ND	ug/L		2.0		SW8260B	03/30/07 15:48 / sad
Bromochloromethane	ND	ug/L		2.0		SW8260B	03/30/07 15:48 / sad
Bromodichloromethane	ND	ug/L		2.0		SW8260B	03/30/07 15:48 / sad
Bromoform	ND	ug/L		2.0		SW8260B	03/30/07 15:48 / sad
Bromomethane	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
n-Butylbenzene	0.33	ug/L	J	1.0		SW8260B	03/30/07 15:48 / sad
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
Carbon tetrachloride	ND	ug/L		2.0		SW8260B	03/30/07 15:48 / sad
Chlorobenzene	ND	ug/L		2.0		SW8260B	03/30/07 15:48 / sad
Chloroethane	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
Chloroform	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
Chloromethane	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
Dibromochloromethane	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
1,2-Dibromoethane (EDB)	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
Dibromomethane	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
Ethylbenzene	0.56	ug/L	J	1.0		SW8260B	03/30/07 15:48 / sad
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
Isopropylbenzene	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
4-Isopropyltoluene	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
Methylene chloride	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
Naphthalene	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
n-Propylbenzene	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
Styrene	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
Tetrachloroethene	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
Toluene	0.46	ug/L	J	1.0		SW8260B	03/30/07 15:48 / sad
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
Trichloroethene	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
Vinyl acetate	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
Vinyl bromide	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
Vinyl chloride	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
m+p-Xylene	0.58	ug/L	J	2.0		SW8260B	03/30/07 15:48 / sad
o-Xylene	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
Xylenes, Total	ND	ug/L		1.0		SW8260B	03/30/07 15:48 / sad
Surr: 1,2-Dichlorobenzene-d4	81.2	%REC		70-130		SW8260B	03/30/07 15:48 / sad
Surr: Dibromofluoromethane	100	%REC		77-129		SW8260B	03/30/07 15:48 / sad
Surr: p-Bromofluorobenzene	99.0	%REC		75-127		SW8260B	03/30/07 15:48 / sad
Surr: Toluene-d8	98.0	%REC		79-122		SW8260B	03/30/07 15:48 / sad
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4-5-Tetrachlorobenzene	ND	ug/L		10		SW8270C	04/05/07 02:32 / dmr
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	04/05/07 02:32 / dmr
1,2-Dichlorobenzene	ND	ug/L		10		SW8270C	04/05/07 02:32 / dmr
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	04/05/07 02:32 / dmr
1,4-Dichlorobenzene	ND	ug/L		10		SW8270C	04/05/07 02:32 / dmr
1-Methylnaphthalene	ND	ug/L		10		SW8270C	04/05/07 02:32 / dmr
2-Chloronaphthalene	ND	ug/L		10		SW8270C	04/05/07 02:32 / dmr
2-Methylnaphthalene	ND	ug/L		10		SW8270C	04/05/07 02:32 / dmr
2-Nitroaniline	ND	ug/L		10		SW8270C	04/05/07 02:32 / dmr
3-Nitroaniline	ND	ug/L		10		SW8270C	04/05/07 02:32 / dmr
4-Nitroaniline	ND	ug/L		10		SW8270C	04/05/07 02:32 / dmr
4-Nitrophenol	ND	ug/L		10		SW8270C	04/05/07 02:32 / dmr

Report Definitions:
RL - Analyte reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
J - Estimated value. This analyte was present but was seen in the reporting limit.
R - Poor method performance. Reduced reliability. Have known no reporting at low levels or erratic method performance.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B07031876-004
Client Sample ID BSB-GW-04

Report Date: 04/10/07
Collection Date: 03/21/07 14:00
DateReceived: 03/26/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
2,3,4,6-Tetrachlorophenol	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
2,4,5-Trichlorophenol	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
2,4,6-Trichlorophenol	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
2,4-Dichlorophenol	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
2,4-Dimethylphenol	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
2,4-Dinitrophenol	ND	ug/L		50		SW8270C	04/05/07 08:32 / dsm
2,4-Dinitrotoluene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
2,6-Dichlorophenol	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
2,6-Dinitrotoluene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
2-Acetylaminofluorene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
2-Chloronaphthalene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
2-Chlorophenol	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
2-Methylnaphthalene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
2-Naphthylamine	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
2-Nitroaniline	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
2-Nitrophenol	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
2-Picoline	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
3,3´-Dichlorobenzidine	ND	ug/L		20		SW8270C	04/05/07 08:32 / dsm
3,3´-Dimethylbenzidine	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
3-Methylcholanthrene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
3-Nitroaniline	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
4,6-Dinitro-2-methylphenol	ND	ug/L		50		SW8270C	04/05/07 08:32 / dsm
4-Aminobiphenyl	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
4-Bromophenyl phenyl ether	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
4-Chloro-2-methylphenol	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
4-Chloro-3-methylphenol	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
4-Chlorophenol	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
4-Chlorophenyl phenyl ether	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
4-Nitroaniline	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
4-Nitrophenol	ND	ug/L		50		SW8270C	04/05/07 08:32 / dsm
4-Nitroquinoline-n-oxide	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
5-Nitro-o-toluidine	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
7,12-Dimethylbenz(a)anthracene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
a,a-Dimethylphenethylamine	ND	ug/L	P			SW8270C	04/05/07 08:32 / dsm
Acenaphthene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Acenaphthylene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Acetophenone	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Aniline	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Anthracene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Aramite	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Azobenzene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Benzidine	ND	ug/L		20		SW8270C	04/05/07 08:32 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Wade Drive Box Public Works Dept
Project: Oil Leaks
Lab ID: 8012318TE-004
Client Sample ID: SSB-GW-04

Report Date: 04/10/07
Collection Date: 03/21/07 14:00
Received Date: 03/23/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL / QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
2,3,4,6-Tetrachlorophenol	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
2,4,5-Trichlorophenol	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
2,4,6-Trichlorophenol	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
2,4-Dichlorophenol	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
2,4-Dimethylphenol	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
2,4-Dinitrophenol	ND	ug/L		50		SW8270C	04/02/07 08:32 / dam
2,4-Dinitrotoluene	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
2,6-Dinitrotoluene	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
2-Chloronaphthalene	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
2-Chlorophenol	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
2-Methylnaphthalene	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
2-Methylphenol	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
2-Nitroaniline	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
2-Nitrophenol	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
3,3'-Dichlorobenzidine	ND	ug/L		20		SW8270C	04/02/07 08:32 / dam
3,3'-Dimethylbenzidine	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
3-Methylphenol	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
3-Nitroaniline	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
4,6-Dinitro-2-methylphenol	ND	ug/L		50		SW8270C	04/02/07 08:32 / dam
4-Aminobiphenyl	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
4-Bromophenyl phenyl ether	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
4-Chloro-3-methylphenol	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
4-Chloroaniline	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
4-Chlorophenyl phenyl ether	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
4-Nitroaniline	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
4-Nitrophenol	ND	ug/L		50		SW8270C	04/02/07 08:32 / dam
4-Nitroquinoline-1-oxide	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
5-Nitro-o-toluidine	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
7,12-Dimethylbenz(a)anthracene	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
a,a-Dimethylphenethylamine	ND	ug/L				SW8270C	04/02/07 08:32 / dam
Acenaphthene	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
Acenaphthylene	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
Acetophenone	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
Aniline	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
Anthracene	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
Aramite	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
Benzidine	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
Benzo(a)anthracene	ND	ug/L		10		SW8270C	04/02/07 08:32 / dam
Benzo(a)pyrene	ND	ug/L		20		SW8270C	04/02/07 08:32 / dam

Report RL - Analytical reporting limit.
Definitions: QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

P - Pure product contaminants, risk of volatiles has been shown
no quantitation at low levels or erratic method performance.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B07031876-004
Client Sample ID BSB-GW-04

Report Date: 04/10/07
Collection Date: 03/21/07 14:00
DateReceived: 03/26/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Benzo(a)anthracene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Benzo(a)pyrene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Benzo(b)fluoranthene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Benzo(g,h,i)perylene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Benzo(k)fluoranthene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Benzyl alcohol	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
bis(-2-chloroethoxy)Methane	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
bis(-2-chloroethyl)Ether	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
bis(2-chloroisopropyl)Ether	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
bis(2-ethylhexyl)Phthalate	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Butylbenzylphthalate	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Chlorobenzilate	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Chrysene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Diallate	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Dibenzo(a,h)anthracene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Dibenzofuran	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Diethyl phthalate	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Dimethoate	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Dimethyl phthalate	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Di-n-butyl phthalate	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Di-n-octyl phthalate	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Diphenylamine	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Disulfoton	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Ethyl methanesulfonate	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Famphur	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Fluoranthene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Fluorene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Hexachlorobenzene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Hexachlorobutadiene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Hexachlorocyclopentadiene	ND	ug/L		20		SW8270C	04/05/07 08:32 / dsm
Hexachloroethane	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Hexachlorophene	ND	ug/L	P			SW8270C	04/05/07 08:32 / dsm
Hexachloropropene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Indeno(1,2,3-cd)pyrene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Isophorone	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Isosafrole	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
m+p-Cresols	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Methapyrilene	ND	ug/L	P			SW8270C	04/05/07 08:32 / dsm
Methyl methanesulfonate	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Methyl parathion	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Naphthalene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Nitrobenzene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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[illegible] • 403-[illegible] • 403-[illegible] • 403-252-[illegible] fax • [illegible]@[illegible].com

LABORATORY ANALYTICAL REPORT

Client: Bulk Silver Saw Fluids Works Dept.
Project: Old Lambda
Lab ID: 20T0318TR-004
Client Sample ID: RS8-OW-24

Report Date: 04/10/07
Collection Date: 03/21/07 14:00
Date Received: 03/28/07
Matrix: Aqueous

Analyte	Result	Units	Qualifiers	RL	MCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC CONTAMINANTS							
Benzo[a]anthracene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Benzo[a]pyrene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Benzo[b]fluoranthene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Benzo[g,h,i]perylene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Benzo[k]fluoranthene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Benzyl alcohol	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
bis(2-chloroethoxy)methane	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
bis(2-chloroethyl)ether	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
bis(2-chloroisopropyl)ether	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
bis(2-ethylhexyl)phthalate	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Butylbenzylphthalate	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Carbazole	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Chrysene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Dibenz[a,h]anthracene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Dibenzofuran	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Diethyl phthalate	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Dimethoxybenzidine	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Dimethyl phthalate	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Di-n-butyl phthalate	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Di-n-octyl phthalate	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Diphenylamine	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Diphenylhydrazine	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Fluoranthene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Fluorene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Hexachlorobenzene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Hexachlorobutadiene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Hexachlorocyclopentadiene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Hexachloroethane	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Indeno[1,2,3-cd]pyrene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Isophorone	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Naphthalene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
2-Nitroaniline	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
3-Nitroaniline	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
4-Nitroaniline	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Nitrobenzene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
2-Nitrophenol	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
4-Nitrophenol	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
N-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
N-Nitrosodipropylamine	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
N-Nitrosopyrrolidine	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Pentachlorobenzene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Pentachloronitrobenzene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Pentachlorophenol	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Phenanthrene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Phenol	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Pyrene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
Pyridine	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
2,4,5-Trichlorophenol	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam
2,4,6-Trichlorophenol	ND	ug/L		10		SW8270C	04/05/07 08:32 / dam

Report: RL - Analyte reporting limit
Qualifiers: QCL - Quality control limit
F - Poor matrix spike recovery; confirmed by lab control spike recovery
to demonstrate the limits of the method for analyte and matrix combination

MCL - Maximum contaminant level
ND - Not detected at the reporting limit

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B07031876-004
Client Sample ID BSB-GW-04

Report Date: 04/10/07
Collection Date: 03/21/07 14:00
DateReceived: 03/26/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
n-Nitrosodiethylamine	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
n-Nitrosodimethylamine	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
n-Nitroso-di-n-butylamine	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
n-Nitroso-di-n-propylamine	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
n-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
n-Nitrosomethylethylamine	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
n-Nitrosomorpholine	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
n-Nitrosopiperidine	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
n-Nitrosopyrrolidine	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
o,o,o-Triethyl phosphorothioate	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
o-Cresol	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
o-Toluidine	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
p-(dimethylamino)Azobenzene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Parathion	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
p-Chloroaniline	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Pentachlorobenzene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Pentachloronitrobenzene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Pentachlorophenol	ND	ug/L		50		SW8270C	04/05/07 08:32 / dsm
Phenacetin	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Phenanthrene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Phenol	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Phorate	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Pronamide	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Pyrene	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Pyridine	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Safrole	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Sulfotep	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Thionazin	ND	ug/L		10		SW8270C	04/05/07 08:32 / dsm
Surr: 2,4,6-Tribromophenol	63.0	%REC			10-123	SW8270C	04/05/07 08:32 / dsm
Surr: 2-Fluorobiphenyl	62.0	%REC			43-116	SW8270C	04/05/07 08:32 / dsm
Surr: 2-Fluorophenol	43.0	%REC			21-100	SW8270C	04/05/07 08:32 / dsm
Surr: Nitrobenzene-d5	56.0	%REC			35-114	SW8270C	04/05/07 08:32 / dsm
Surr: Phenol-d5	36.0	%REC			10-94	SW8270C	04/05/07 08:32 / dsm
Surr: Terphenyl-d14	33.0	%REC			33-141	SW8270C	04/05/07 08:32 / dsm
8081A-ORGANOCHLORINE PESTICIDES							
4,4´-DDD	ND	ug/L		0.050		SW8081A	03/30/07 20:58 / ldw
4,4´-DDE	ND	ug/L		0.050		SW8081A	03/30/07 20:58 / ldw
4,4´-DDT	ND	ug/L		0.050		SW8081A	03/30/07 20:58 / ldw
Aldrin	ND	ug/L		0.050		SW8081A	03/30/07 20:58 / ldw
alpha-BHC	ND	ug/L		0.050		SW8081A	03/30/07 20:58 / ldw
alpha-Chlordane	ND	ug/L		0.050		SW8081A	03/30/07 20:58 / ldw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Bulla Silver Cow Public Works Dept.
Project: Old Landfill
Lab ID: 8910-0525-004
Client Sample ID: 8910-SW-1M

Report Date: 06/10/07
Collection Date: 05/23/07 14:00
Date Received: 05/25/07
Matrix: Aqueous

Analyte	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
n-Nitrosodi-n-butylamine	ND	ug/L		10		SW8270C	06/06/07 08:32 / dam
n-Nitrosodiethylamine	ND	ug/L		10		SW8270C	06/06/07 08:32 / dam
n-Nitrosodimethylamine	ND	ug/L		10		SW8270C	06/06/07 08:32 / dam
n-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	06/06/07 08:32 / dam
n-Nitrosopiperidine	ND	ug/L		10		SW8270C	06/06/07 08:32 / dam
n-Nitrosopyrrolidine	ND	ug/L		10		SW8270C	06/06/07 08:32 / dam
n-Propylbenzene	ND	ug/L		10		SW8270C	06/06/07 08:32 / dam
n-Propylene oxide	ND	ug/L		10		SW8270C	06/06/07 08:32 / dam
n-Propylene oxide	ND	ug/L		10		SW8270C	06/06/07 08:32 / dam
n-Tetradecane	ND	ug/L		10		SW8270C	06/06/07 08:32 / dam
n,n-Dimethyl phenylamine	ND	ug/L		10		SW8270C	06/06/07 08:32 / dam
n-Octane	ND	ug/L		10		SW8270C	06/06/07 08:32 / dam
n-Toluidine	ND	ug/L		10		SW8270C	06/06/07 08:32 / dam
p-Chlorobenzotrifluoride	ND	ug/L		10		SW8270C	06/06/07 08:32 / dam
Parathion	ND	ug/L		10		SW8270C	06/06/07 08:32 / dam
p-Chloro-m-cresol	ND	ug/L		10		SW8270C	06/06/07 08:32 / dam
Pentachlorobenzene	ND	ug/L		10		SW8270C	06/06/07 08:32 / dam
Pentachloroethane	ND	ug/L		10		SW8270C	06/06/07 08:32 / dam
Pentachloronitrobenzene	ND	ug/L		10		SW8270C	06/06/07 08:32 / dam
Pentachlorophenol	ND	ug/L		50		SW8270C	06/06/07 08:32 / dam
Phenacetin	ND	ug/L		10		SW8270C	06/06/07 08:32 / dam
Phenanthrene	ND	ug/L		10		SW8270C	06/06/07 08:32 / dam
Phenol	ND	ug/L		10		SW8270C	06/06/07 08:32 / dam
Phorate	ND	ug/L		10		SW8270C	06/06/07 08:32 / dam
Pronamide	ND	ug/L		10		SW8270C	06/06/07 08:32 / dam
Propachlor	ND	ug/L		10		SW8270C	06/06/07 08:32 / dam
Pyrene	ND	ug/L		10		SW8270C	06/06/07 08:32 / dam
Pyridine	ND	ug/L		10		SW8270C	06/06/07 08:32 / dam
Safrole	ND	ug/L		10		SW8270C	06/06/07 08:32 / dam
Sulfotep	ND	ug/L		10		SW8270C	06/06/07 08:32 / dam
Thionazin	ND	ug/L		10		SW8270C	06/06/07 08:32 / dam
Surr: 2,4,6-Tribromophenol	64.6	%REC			10-123	SW8270C	06/06/07 08:32 / dam
Surr: 2-Fluorobiphenyl	67.2	%REC			43-116	SW8270C	06/06/07 08:32 / dam
Surr: 2-Fluorophenol	43.6	%REC			21-100	SW8270C	06/06/07 08:32 / dam
Surr: Terphenyl-d14	80.2	%REC			33-114	SW8270C	06/06/07 08:32 / dam
Surr: Phenol-d6	36.8	%REC			10-94	SW8270C	06/06/07 08:32 / dam
Surr: Nitrobenzene-d5	83.8	%REC			35-114	SW8270C	06/06/07 08:32 / dam
ORGANOCHLORINE PESTICIDES							
4,4'-DDD	ND	ug/L		0.050		SW8081A	06/30/07 20:58 / kw
4,4'-DDE	ND	ug/L		0.050		SW8081A	06/30/07 20:58 / kw
4,4'-DDT	ND	ug/L		0.050		SW8081A	06/30/07 20:58 / kw
Aldrin	ND	ug/L		0.050		SW8081A	06/30/07 20:58 / kw
alpha-BHC	ND	ug/L		0.050		SW8081A	06/30/07 20:58 / kw
alpha-Chlordane	ND	ug/L		0.050		SW8081A	06/30/07 20:58 / kw

Flagged: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B07031876-004
Client Sample ID BSB-GW-04

Report Date: 04/10/07
Collection Date: 03/21/07 14:00
DateReceived: 03/26/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
8081A-ORGANOCHLORINE PESTICIDES							
beta-BHC	ND	ug/L		0.050		SW8081A	03/30/07 20:58 / ldw
Chlordane	ND	ug/L		0.50		SW8081A	03/30/07 20:58 / ldw
delta-BHC	ND	ug/L		0.050		SW8081A	03/30/07 20:58 / ldw
Dieldrin	ND	ug/L		0.050		SW8081A	03/30/07 20:58 / ldw
Endosulfan I	ND	ug/L		0.050		SW8081A	03/30/07 20:58 / ldw
Endosulfan II	ND	ug/L		0.050		SW8081A	03/30/07 20:58 / ldw
Endosulfan sulfate	ND	ug/L		0.050		SW8081A	03/30/07 20:58 / ldw
Endrin	ND	ug/L		0.050		SW8081A	03/30/07 20:58 / ldw
Endrin aldehyde	ND	ug/L		0.050		SW8081A	03/30/07 20:58 / ldw
Endrin ketone	ND	ug/L	D	0.060		SW8081A	03/30/07 20:58 / ldw
gamma-BHC (Lindane)	ND	ug/L		0.050		SW8081A	03/30/07 20:58 / ldw
gamma-Chlordane	ND	ug/L		0.050		SW8081A	03/30/07 20:58 / ldw
Heptachlor	ND	ug/L		0.050		SW8081A	03/30/07 20:58 / ldw
Heptachlor epoxide	ND	ug/L		0.050		SW8081A	03/30/07 20:58 / ldw
Isodrin	ND	ug/L		0.050		SW8081A	03/28/07 18:43 / ldw
Kepone	ND	ug/L		0.10		SW8081A	03/28/07 18:43 / ldw
Methoxychlor	ND	ug/L		0.050		SW8081A	03/30/07 20:58 / ldw
Toxaphene	ND	ug/L		5.0		SW8081A	03/28/07 18:43 / ldw
Surr: Decachlorobiphenyl	23.0	%REC	S		44-119	SW8081A	03/28/07 18:43 / ldw
Surr: Tetrachloro-m-xylene	65.0	%REC			40-120	SW8081A	03/28/07 18:43 / ldw
HERBICIDES, CHLORINATED							
2,4-D	ND	ug/L		1.0		SW8151A	03/31/07 00:23 / jml
Dinoseb	ND	ug/L		1.0		SW8151A	03/31/07 00:23 / jml
2,4,5-T	ND	ug/L		0.20		SW8151A	03/31/07 00:23 / jml
2,4,5-TP (Silvex)	0.20	ug/L		0.20		SW8151A	03/31/07 00:23 / jml
Surr: DCAA	77.0	%REC			57-125	SW8151A	03/31/07 00:23 / jml
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	ug/L		0.50		SW8082	03/28/07 18:43 / ldw
Aroclor 1221	ND	ug/L		0.50		SW8082	03/28/07 18:43 / ldw
Aroclor 1232	ND	ug/L		0.50		SW8082	03/28/07 18:43 / ldw
Aroclor 1242	ND	ug/L		0.50		SW8082	03/28/07 18:43 / ldw
Aroclor 1248	ND	ug/L		0.50		SW8082	03/28/07 18:43 / ldw
Aroclor 1254	ND	ug/L		0.50		SW8082	03/28/07 18:43 / ldw
Aroclor 1260	ND	ug/L		0.50		SW8082	03/28/07 18:43 / ldw
Aroclor 1262	ND	ug/L		0.50		SW8082	03/28/07 18:43 / ldw
Aroclor 1268	ND	ug/L		0.50		SW8082	03/28/07 18:43 / ldw
Surr: Decachlorobiphenyl	23.0	%REC	S		44-119	SW8082	03/28/07 18:43 / ldw
Surr: Tetrachloro-m-xylene	65.0	%REC			40-120	SW8082	03/28/07 18:43 / ldw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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LABORATORY ANALYTICAL REPORT

Client: Dulla Oliver Bow Public Works Dept
Project: Old Landfill
Lab ID: 80703187E-004
Client Sample ID: MW-GW-04

Report Date: 04/10/07
Collection Date: 03/27/07 14:00
Date Received: 03/28/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
BOSTA-ORGANOCHLORINE PESTICIDES							
Alpha-BHC	ND	ug/L		0.050		SW8081A	03/30/07 20:34 / kcw
Chlordane	ND	ug/L		0.50		SW8081A	03/30/07 20:34 / kcw
Delta-BHC	ND	ug/L		0.050		SW8081A	03/30/07 20:34 / kcw
Dieldrin	ND	ug/L		0.050		SW8081A	03/30/07 20:34 / kcw
Endosulfan I	ND	ug/L		0.050		SW8081A	03/30/07 20:34 / kcw
Endosulfan II	ND	ug/L		0.050		SW8081A	03/30/07 20:34 / kcw
Endosulfan sulfate	ND	ug/L		0.050		SW8081A	03/30/07 20:34 / kcw
Endrin	ND	ug/L		0.050		SW8081A	03/30/07 20:34 / kcw
Endrin aldehyde	ND	ug/L		0.050		SW8081A	03/30/07 20:34 / kcw
Endrin ketone	ND	ug/L		0.050		SW8081A	03/30/07 20:34 / kcw
gamma-BHC (Lindane)	ND	ug/L	D	0.050		SW8081A	03/30/07 22:22 / kcw
gamma-Chlordane	ND	ug/L		0.050		SW8081A	03/30/07 20:34 / kcw
Heptachlor	ND	ug/L		0.050		SW8081A	03/30/07 20:34 / kcw
Heptachlor epoxide	ND	ug/L		0.050		SW8081A	03/30/07 20:34 / kcw
Methoxychlor	ND	ug/L		0.050		SW8081A	03/30/07 20:34 / kcw
Toxaphene	ND	ug/L		0.50		SW8081A	03/30/07 20:34 / kcw
Surr: Decachlorobiphenyl	72.0	%REC	S	44-119		SW8081A	03/30/07 20:34 / kcw
Surr: Tetrachloro-m-xylene	65.0	%REC		40-130		SW8081A	03/30/07 20:34 / kcw
NERBICIDES, CHLORINATED							
2,4-D	ND	ug/L		1.0		SW8151A	03/31/07 00:23 / jmr
Dinoseb	ND	ug/L		1.0		SW8151A	03/31/07 00:23 / jmr
2,4,5-T	ND	ug/L		0.20		SW8151A	03/31/07 00:23 / jmr
2,4,5-TP (Silvex)	ND	ug/L		0.20		SW8151A	03/31/07 00:23 / jmr
Surr: DCAA	72.0	%REC		37-125		SW8151A	03/31/07 00:23 / jmr
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	ug/L		0.50		SW8082	03/28/07 18:43 / kcw
Aroclor 1221	ND	ug/L		0.50		SW8082	03/28/07 18:43 / kcw
Aroclor 1232	ND	ug/L		0.50		SW8082	03/28/07 18:43 / kcw
Aroclor 1242	ND	ug/L		0.50		SW8082	03/28/07 18:43 / kcw
Aroclor 1248	ND	ug/L		0.50		SW8082	03/28/07 18:43 / kcw
Aroclor 1254	ND	ug/L		0.50		SW8082	03/28/07 18:43 / kcw
Aroclor 1260	ND	ug/L		0.50		SW8082	03/28/07 18:43 / kcw
Aroclor 1262	ND	ug/L		0.50		SW8082	03/28/07 18:43 / kcw
Aroclor 1268	ND	ug/L		0.50		SW8082	03/28/07 18:43 / kcw
Surr: Decachlorobiphenyl	32.0	%REC	S	44-119		SW8082	03/28/07 18:43 / kcw
Surr: Tetrachloro-m-xylene	85.0	%REC		40-130		SW8082	03/28/07 18:43 / kcw

Qualifiers: D - Dilution required due to matrix interference
S - Spike recovery outside of advisory limits

RL - Analyte reporting limit
MCL - Maximum contaminant level
QCL - Quality control limit
ND - Not detected at the reporting limit

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B07031876-005
Client Sample ID BSB-GW-07

Report Date: 04/10/07
Collection Date: 03/21/07 14:15
DateReceived: 03/26/07
Matrix: Aqueous

BSB-A6-R Dup

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	03/26/07 16:17 / sbd
Acetonitrile	ND	ug/L		20		SW8260B	03/26/07 16:17 / sbd
Acrolein	ND	ug/L		20		SW8260B	03/26/07 16:17 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	03/26/07 16:17 / sbd
Allyl chloride	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
Benzene	0.44	ug/L	J	1.0		SW8260B	03/26/07 16:17 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
Chloroethane	0.37	ug/L	J	1.0		SW8260B	03/26/07 16:17 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
Chloroprene	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
1,4-Dichlorobenzene	1.3	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
Dichlorodifluoromethane	2.4	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
1,1-Dichloroethane	1.7	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
cis-1,2-Dichloroethene	7.9	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
1,2-Dichloropropane	0.58	ug/L	J	1.0		SW8260B	03/26/07 16:17 / sbd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	03/26/07 16:17 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum confaminant level.
ND - Not detected at the reporting limit.

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Tel: 720-4088 • sales@zenith.com • 800-456-2020 fax • analysis@zenith.com

LABORATORY ANALYTICAL REPORT

Client: Belle River Boys Public Water Lines
Project: Old Lagoon
Lab ID: 0012019-005
Client Sample ID: BRB-GW-07

Report Date: 04/10/07
Collection Date: 03/27/07 14:45
Date Received: 03/28/07
Matrix: Aqueous

BRB-A4-R Dup

Analyte	Result	Units	Qualifiers	RL	MCL / CCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	03/30/07 16:17 / kbd
Acrylonitrile	ND	ug/L		20		SW8260B	03/30/07 16:17 / kbd
Benzene	ND	ug/L		20		SW8260B	03/30/07 16:17 / kbd
Bromobenzene	ND	ug/L		20		SW8260B	03/30/07 16:17 / kbd
Bromochloromethane	ND	ug/L		20		SW8260B	03/30/07 16:17 / kbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
Bromoform	0.44	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
Bromomethane	ND	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
2-Butanone (MEK)	ND	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
Chloroethane	0.37	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
Chloroform	ND	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
Chloromethane	ND	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
Dibromomethane	ND	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
1,4-Dichlorobenzene	7.3	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
Dichlorodifluoromethane	2.4	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
1,1-Dichloroethane	1.7	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
cis-1,2-Dichloroethene	7.3	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
1,2-Dichloropropane	0.44	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
Ethylmethacrylate	ND	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd
2-Hexanone	ND	ug/L		20		SW8260B	03/30/07 16:17 / kbd
Isopropylbenzene	ND	ug/L		1.0		SW8260B	03/30/07 16:17 / kbd

Report Definitions:
RL - Analyte reporting limit.
CCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
J - Estimated value. The analyte was present but less than the reporting limit.

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800-735-4489 • 406-252-6325 • 406-252-6069 fax • eli@energylab.com

LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B07031876-005
Client Sample ID BSB-GW-07

Report Date: 04/10/07
Collection Date: 03/21/07 14:15
DateReceived: 03/26/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Isobutanol	ND	ug/L		50		SW8260B	03/26/07 16:17 / sbd
Methacrylonitrile	ND	ug/L		20		SW8260B	03/26/07 16:17 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	03/26/07 16:17 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	03/26/07 16:17 / sbd
Methyl methacrylate	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
Methylene chloride	0.30	ug/L	J	1.0		SW8260B	03/26/07 16:17 / sbd
Naphthalene	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
Pentachloroethane	ND	ug/L		2.0		SW8260B	03/26/07 16:17 / sbd
Propionitrile	ND	ug/L		20		SW8260B	03/26/07 16:17 / sbd
Styrene	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
Tetrachloroethene	0.41	ug/L	J	1.0		SW8260B	03/26/07 16:17 / sbd
Toluene	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
Trichloroethene	0.56	ug/L	J	1.0		SW8260B	03/26/07 16:17 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
Vinyl chloride	3.8	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	03/26/07 16:17 / sbd
Surr: 1,2-Dichloroethane-d4	98.0	%REC			70-130	SW8260B	03/26/07 16:17 / sbd
Surr: Dibromofluoromethane	100	%REC			77-126	SW8260B	03/26/07 16:17 / sbd
Surr: p-Bromofluorobenzene	96.0	%REC			76-127	SW8260B	03/26/07 16:17 / sbd
Surr: Toluene-d8	96.0	%REC			79-122	SW8260B	03/26/07 16:17 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B07031876-001
Client Sample ID BSB-GW-01

Report Date: 04/10/07
Collection Date: 03/21/07 15:15
DateReceived: 03/26/07
Matrix: Aqueous

MBM6-2

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Isobutanol	ND	ug/L		50		SW8260B	03/26/07 14:23 / sbd
Methacrylonitrile	ND	ug/L		20		SW8260B	03/26/07 14:23 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	03/26/07 14:23 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	03/26/07 14:23 / sbd
Methyl methacrylate	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
Naphthalene	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
Pentachloroethane	ND	ug/L		2.0		SW8260B	03/26/07 14:23 / sbd
Propionitrile	ND	ug/L		20		SW8260B	03/26/07 14:23 / sbd
Styrene	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
Toluene	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	03/26/07 14:23 / sbd
Surr: 1,2-Dichloroethane-d4	90.0	%REC			70-130	SW8260B	03/26/07 14:23 / sbd
Surr: Dibromofluoromethane	98.0	%REC			77-126	SW8260B	03/26/07 14:23 / sbd
Surr: p-Bromofluorobenzene	96.0	%REC			76-127	SW8260B	03/26/07 14:23 / sbd
Surr: Toluene-d8	97.0	%REC			79-122	SW8260B	03/26/07 14:23 / sbd
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4,5-Tetrachlorobenzene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
1,2-Dichlorobenzene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
1,3,5-Trinitrobenzene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
1,3-Dinitrobenzene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
1,4-Benzenediamine	ND	ug/L	P			SW8270C	04/05/07 06:59 / dsm
1,4-Dichlorobenzene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
1,4-Naphthoquinone	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
1-Methylnaphthalene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
1-Naphthylamine	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Suits Bow Valley Wells Dept
Project: Old Lake 88
Lab ID: 2010118175-001
Client Sample ID: 8S3-GW-01

Report Date: 04/10/07
Collection Date: 03/27/07 15:15
Date/Received: 03/29/07
Matrix: Aqueous

Analyte	Result	Units	Qualifiers	RL	MCL DCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Benzene	ND	ug/L		50		SW8260B	03/30/07 14:23 / sdd
Ethylbenzene	ND	ug/L		50		SW8260B	03/30/07 14:23 / sdd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	03/30/07 14:23 / sdd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	03/30/07 14:23 / sdd
Methyl tert-butyl ether	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
Methylene chloride	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
Naphthalene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
Toluene	ND	ug/L		2.0		SW8260B	03/30/07 14:23 / sdd
Trichloroethene	ND	ug/L		20		SW8260B	03/30/07 14:23 / sdd
Xylenes	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
Bromobenzene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
Bromochloromethane	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
Bromoform	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
Bromomethane	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
Chlorobenzene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
Chloroethane	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
Chloroform	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
Chloromethane	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
Dibromochloromethane	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
Dibromomethane	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
Ethylbenzene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
Isopropylbenzene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
Methylene chloride	ND	ug/L		20		SW8260B	03/30/07 14:23 / sdd
Naphthalene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
n-Butylbenzene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
n-Propylbenzene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
Styrene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
Toluene	ND	ug/L		2.0		SW8260B	03/30/07 14:23 / sdd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
Trichloroethene	ND	ug/L		20		SW8260B	03/30/07 14:23 / sdd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
Vinyl acetate	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
Vinyl chloride	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
meta-Xylene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
o-Xylene	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
Xylenes, Total	ND	ug/L		1.0		SW8260B	03/30/07 14:23 / sdd
Surr: 1,2-Dichloroethane-d4	90.0	%REC			70-130	SW8260B	03/30/07 14:23 / sdd
Surr: Dibromofluorobenzene	98.8	%REC			77-120	SW8260B	03/30/07 14:23 / sdd
Surr: p-Bromofluorobenzene	98.8	%REC			76-127	SW8260B	03/30/07 14:23 / sdd
Surr: Toluene-d8	97.7	%REC			76-122	SW8260B	03/30/07 14:23 / sdd
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4,5-Tetrachlorobenzene	ND	ug/L		10		SW8270C	04/09/07 05:39 / dam
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	04/09/07 05:39 / dam
1,2-Dichlorobenzene	ND	ug/L		10		SW8270C	04/09/07 05:39 / dam
1,2,5-Trichlorobenzene	ND	ug/L		10		SW8270C	04/09/07 05:39 / dam
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	04/09/07 05:39 / dam
1,3,5-Trichlorobenzene	ND	ug/L		10		SW8270C	04/09/07 05:39 / dam
1,4-Dichlorobenzene	ND	ug/L		10		SW8270C	04/09/07 05:39 / dam
1,4-Naphthoquinone	ND	ug/L		10		SW8270C	04/09/07 05:39 / dam
1-Naphthylamine	ND	ug/L		10		SW8270C	04/09/07 05:39 / dam
1-Nitrophenanthrene	ND	ug/L		10		SW8270C	04/09/07 05:39 / dam

Reports: RL - Analyte reporting limit.
Definitions: MCL - Maximum contaminant level.
DCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

R - Poor matrix performance. Method acceptance limit shown.
Not reported due to low levels or outside method performance.

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800-735-4489 • 406-252-6325 • 406-252-6069 fax • eli@energylab.com

LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B07031876-001
Client Sample ID BSB-GW-01

Report Date: 04/10/07
Collection Date: 03/21/07 15:15
DateReceived: 03/26/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
2,3,4,6-Tetrachlorophenol	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
2,4,5-Trichlorophenol	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
2,4,6-Trichlorophenol	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
2,4-Dichlorophenol	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
2,4-Dimethylphenol	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
2,4-Dinitrophenol	ND	ug/L		50		SW8270C	04/05/07 06:59 / dsm
2,4-Dinitrotoluene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
2,6-Dichlorophenol	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
2,6-Dinitrotoluene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
2-Acetylaminofluorene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
2-Chloronaphthalene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
2-Chlorophenol	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
2-Methylnaphthalene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
2-Naphthylamine	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
2-Nitroaniline	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
2-Nitrophenol	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
2-Picoline	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
3,3´-Dichlorobenzidine	ND	ug/L		20		SW8270C	04/05/07 06:59 / dsm
3,3´-Dimethylbenzidine	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
3-Methylcholanthrene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
3-Nitroaniline	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
4,6-Dinitro-2-methylphenol	ND	ug/L		50		SW8270C	04/05/07 06:59 / dsm
4-Aminobiphenyl	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
4-Bromophenyl phenyl ether	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
4-Chloro-2-methylphenol	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
4-Chloro-3-methylphenol	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
4-Chlorophenol	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
4-Chlorophenyl phenyl ether	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
4-Nitroaniline	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
4-Nitrophenol	ND	ug/L		50		SW8270C	04/05/07 06:59 / dsm
4-Nitroquinoline-n-oxide	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
5-Nitro-o-toluidine	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
7,12-Dimethylbenz(a)anthracene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
a,a-Dimethylphenethylamine	ND	ug/L	P			SW8270C	04/05/07 06:59 / dsm
Acenaphthene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Acenaphthylene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Acetophenone	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Aniline	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Anthracene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Aramite	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Azobenzene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Benzidine	ND	ug/L		20		SW8270C	04/05/07 06:59 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Dalia Solar Energy Private Work Order
Project: Oil Leaks
Lab ID: 2017011879-001
Client Sample ID: SSB-SW-01

Report Date: 04/10/17
Collection Date: 03/21/17 15:15
Date Received: 03/23/17
Matrix: Aqueous

Analyte	Result	Units	Qualifiers	RL	MDL / QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
2,3,4,6-Tetrachlorophenol	ND	ug/L		10		SW8270C	04/05/17 06:29 / dam
2,4,5-Trichlorophenol	ND	ug/L		10		SW8270C	04/05/17 06:29 / dam
2,4,6-Trichlorophenol	ND	ug/L		10		SW8270C	04/05/17 06:29 / dam
2,4-Dichlorophenol	ND	ug/L		10		SW8270C	04/05/17 06:29 / dam
2,4-Dimethylphenol	ND	ug/L		10		SW8270C	04/05/17 06:29 / dam
2,4-Dinitrophenol	ND	ug/L		10		SW8270C	04/05/17 06:29 / dam
2,4-Dinitrotoluene	ND	ug/L		10		SW8270C	04/05/17 06:29 / dam
2,6-Dinitrotoluene	ND	ug/L		10		SW8270C	04/05/17 06:29 / dam
2-Chloronaphthalene	ND	ug/L		10		SW8270C	04/05/17 06:29 / dam
2-Chlorophenol	ND	ug/L		10		SW8270C	04/05/17 06:29 / dam
2-Methylnaphthalene	ND	ug/L		10		SW8270C	04/05/17 06:29 / dam
2-Methylphenol	ND	ug/L		10		SW8270C	04/05/17 06:29 / dam
2-Nitroaniline	ND	ug/L		10		SW8270C	04/05/17 06:29 / dam
2-Nitrophenol	ND	ug/L		10		SW8270C	04/05/17 06:29 / dam
3,3'-Dichlorobenzidine	ND	ug/L		20		SW8270C	04/05/17 06:29 / dam
3-Nitroaniline	ND	ug/L		10		SW8270C	04/05/17 06:29 / dam
4,6-Dinitro-2-methylphenol	ND	ug/L		10		SW8270C	04/05/17 06:29 / dam
4-Bromophenyl-phenylether	ND	ug/L		10		SW8270C	04/05/17 06:29 / dam
4-Chloro-3-methylphenol	ND	ug/L		10		SW8270C	04/05/17 06:29 / dam
4-Chloroaniline	ND	ug/L		10		SW8270C	04/05/17 06:29 / dam
4-Chlorophenyl-phenylether	ND	ug/L		10		SW8270C	04/05/17 06:29 / dam
4-Nitroaniline	ND	ug/L		10		SW8270C	04/05/17 06:29 / dam
4-Nitrophenol	ND	ug/L		10		SW8270C	04/05/17 06:29 / dam
Acenaphthylene	ND	ug/L		10		SW8270C	04/05/17 06:29 / dam
Acenaphthene	ND	ug/L		10		SW8270C	04/05/17 06:29 / dam
Acetophenone	ND	ug/L		10		SW8270C	04/05/17 06:29 / dam
Anthracene	ND	ug/L		10		SW8270C	04/05/17 06:29 / dam
Benzo(a)anthracene	ND	ug/L		10		SW8270C	04/05/17 06:29 / dam
Benzo(a)pyrene	ND	ug/L		10		SW8270C	04/05/17 06:29 / dam
Benzo(b)fluoranthene	ND	ug/L		10		SW8270C	04/05/17 06:29 / dam
Benzo(g,h,i)perylene	ND	ug/L		10		SW8270C	04/05/17 06:29 / dam
Benzo(k)fluoranthene	ND	ug/L		10		SW8270C	04/05/17 06:29 / dam
Benzoic acid	ND	ug/L		20		SW8270C	04/05/17 06:29 / dam

Report: ND - Analyte not detected at the reporting limit.
Definitions: MDL - Method detection limit.
QCL - Quality control limit.
R - Poor recovery performance. Method validation failed. Results may be biased low.
NR - Not reported at low levels or above method performance.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B07031876-001
Client Sample ID BSB-GW-01

Report Date: 04/10/07
Collection Date: 03/21/07 15:15
DateReceived: 03/26/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Benzo(a)anthracene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Benzo(a)pyrene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Benzo(b)fluoranthene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Benzo(g,h,i)perylene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Benzo(k)fluoranthene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Benzyl alcohol	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
bis(-2-chloroethoxy)Methane	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
bis(-2-chloroethyl)Ether	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
bis(2-chloroisopropyl)Ether	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
bis(2-ethylhexyl)Phthalate	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Butylbenzylphthalate	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Chlorobenzilate	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Chrysene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Diallate	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Dibenzo(a,h)anthracene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Dibenzofuran	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Diethyl phthalate	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Dimethoate	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Dimethyl phthalate	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Di-n-butyl phthalate	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Di-n-octyl phthalate	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Diphenylamine	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Disulfoton	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Ethyl methanesulfonate	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Famphur	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Fluoranthene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Fluorene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Hexachlorobenzene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Hexachlorobutadiene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Hexachlorocyclopentadiene	ND	ug/L		20		SW8270C	04/05/07 06:59 / dsm
Hexachloroethane	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Hexachlorophene	ND	ug/L	P			SW8270C	04/05/07 06:59 / dsm
Hexachloropropene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Indeno(1,2,3-cd)pyrene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Isophorone	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Isosafrole	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
m+p-Cresols	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Methapyrilene	ND	ug/L	P			SW8270C	04/05/07 06:59 / dsm
Methyl methanesulfonate	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Methyl parathion	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Naphthalene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Nitrobenzene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Tonka River Row Public Works Dept
Project: CW Lunch#1
Lab ID: 95-0918178-001
Client Sample ID: BG3-GW-01

Report Date: 09/18/07
Collection Date: 09/09/07 15:15
Date Received: 09/08/07
Matrix: Aqueous

Analyte	Result	Units	Qualifiers	RL	MCL or QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	09/20/07 04:56 / dam
2-Chlorophenol	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
2-Methylnaphthalene	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
2-Methylphenol (o-Cresol)	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
2-Nitroaniline	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
2-Nitrophenol	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
3,3'-Dichlorobenzidine	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
3-Nitroaniline	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
4,6-Dinitro-2-methylphenol	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
4-Bromophenyl-phenylether	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
4-Chloro-3-methylphenol	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
4-Chloroaniline	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
4-Chlorophenyl-phenylether	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
4-Nitroaniline	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
4-Nitrophenol	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Acenaphthene	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Acenaphthylene	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Aniline	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Anthracene	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Benzo(a)anthracene	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Benzo(a)pyrene	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Benzo(b)fluoranthene	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Benzo(g,h,i)perylene	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Benzo(k)fluoranthene	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Benzoic acid	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Benzyl alcohol	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Bis(2-chloroethoxy)methane	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Bis(2-chloroethyl)ether	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Bis(2-chloroisopropyl)ether	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Bis(2-ethylhexyl)phthalate	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Butylbenzylphthalate	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Carbazole	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Chrysene	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Dibenzofuran	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Diethylphthalate	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Dimethylphthalate	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Di-n-butylphthalate	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Di-n-octylphthalate	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Dibenzo(a,h)anthracene	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Fluoranthene	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Fluorene	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Hexachlorobenzene	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Hexachlorobutadiene	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Hexachlorocyclopentadiene	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Hexachloroethane	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Indeno(1,2,3-cd)pyrene	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Isophorone	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Naphthalene	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Nitrobenzene	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
N-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
N-Nitrosodi-n-propylamine	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Pentachlorophenol	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Phenanthrene	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Phenol	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Pyrene	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam
Pyridine	ND	ug/L		10		SW8270C	09/20/07 05:24 / dam

Results: RL - Analyte reporting limit. MCL - Maximum contaminant level.
Qualifiers: QCL - Quality control limit. ND - Not detected at the reporting limit.

P - First reliable confirmation. Method calculations have eligible to determine at the level or range reported per analyte.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B07031876-001
Client Sample ID BSB-GW-01

Report Date: 04/10/07
Collection Date: 03/21/07 15:15
DateReceived: 03/26/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
n-Nitrosodiethylamine	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
n-Nitrosodimethylamine	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
n-Nitroso-di-n-butylamine	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
n-Nitroso-di-n-propylamine	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
n-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
n-Nitrosomethylethylamine	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
n-Nitrosomorpholine	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
n-Nitrosopiperidine	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
n-Nitrosopyrrolidine	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
o,o,o-Triethyl phosphorothioate	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
o-Cresol	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
o-Toluidine	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
p-(dimethylamino)Azobenzene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Parathion	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
p-Chloroaniline	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Pentachlorobenzene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Pentachloronitrobenzene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Pentachlorophenol	ND	ug/L		50		SW8270C	04/05/07 06:59 / dsm
Phenacetin	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Phenanthrene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Phenol	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Phorate	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Pronamide	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Pyrene	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Pyridine	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Safrole	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Sulfotep	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Thionazin	ND	ug/L		10		SW8270C	04/05/07 06:59 / dsm
Surr: 2,4,6-Tribromophenol	51.0	%REC			10-123	SW8270C	04/05/07 06:59 / dsm
Surr: 2-Fluorobiphenyl	52.0	%REC			43-116	SW8270C	04/05/07 06:59 / dsm
Surr: 2-Fluorophenol	31.0	%REC			21-100	SW8270C	04/05/07 06:59 / dsm
Surr: Nitrobenzene-d5	46.0	%REC			35-114	SW8270C	04/05/07 06:59 / dsm
Surr: Phenol-d5	28.0	%REC			10-94	SW8270C	04/05/07 06:59 / dsm
Surr: Terphenyl-d14	41.0	%REC			33-141	SW8270C	04/05/07 06:59 / dsm
8081A-ORGANOCHLORINE PESTICIDES							
4,4´-DDD	ND	ug/L		0.050		SW8081A	03/30/07 17:41 / ldw
4,4´-DDE	ND	ug/L		0.050		SW8081A	03/30/07 17:41 / ldw
4,4´-DDT	ND	ug/L		0.050		SW8081A	03/30/07 17:41 / ldw
Aldrin	ND	ug/L		0.050		SW8081A	03/30/07 17:41 / ldw
alpha-BHC	ND	ug/L		0.050		SW8081A	03/30/07 17:41 / ldw
alpha-Chlordane	ND	ug/L		0.050		SW8081A	03/30/07 17:41 / ldw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Bills Gas Box Ruby Wood Dept
Project: Oil Lands
Lab ID: B07031978-001
Client Sample ID: BS9-(3)-61

Report Date: 04/10/07
Collection Date: 03/27/07 10:35
Date Received: 03/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
n-Nitrosodimethylamine	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
n-Nitrosodipropylamine	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
n-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
n-Nitrosodi-n-butylamine	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
n-Nitrosodi-n-propylamine	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
n-Nitrosodiethylamine	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
n-Nitrosodimethylamine	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
n-Nitrosomethylethylamine	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
n-Nitrosopyrrolidine	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
n-Nitrosopiperidine	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
n-Nitrosomorpholine	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
n-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
n-Nitrosodi-n-propylamine	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
n-Cresol	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
o-Toluidine	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
p-Dimethylaminoazobenzene	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
Pentachlorobenzene	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
p-Chloroaniline	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
Pentachloroethane	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
Phenacetin	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
Phenanthrene	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
Phenanthridine	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
Phenobarbital	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
Phenol	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
Phenolphthalein	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
Phenothiazine	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
Phenylacetamide	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
Phenylbutazone	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
Phenylhydrazine	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
Phenylmercuric acetate	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
Pronamide	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
Propachlor	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
Propanil	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
Propham	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
Propoxur	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
Pyridine	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
Pyridostigmine	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
Pyridostigmine bromide	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
Pyridostigmine methylsulfate	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
Pyridostigmine sulfate	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
Pyridostigmine tosylate	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
Pyridostigmine trifluoroacetate	ND	ug/L		10		SW8270C	04/05/07 08:09 / dam
Pyridostigmine trifluoromethanesulfon

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B07031876-001
Client Sample ID BSB-GW-01

Report Date: 04/10/07
Collection Date: 03/21/07 15:15
DateReceived: 03/26/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
8081A-ORGANOCHLORINE PESTICIDES							
beta-BHC	ND	ug/L		0.050		SW8081A	03/30/07 17:41 / ldw
Chlordane	ND	ug/L		0.50		SW8081A	03/30/07 17:41 / ldw
delta-BHC	ND	ug/L		0.050		SW8081A	03/30/07 17:41 / ldw
Dieldrin	ND	ug/L		0.050		SW8081A	03/30/07 17:41 / ldw
Endosulfan I	ND	ug/L		0.050		SW8081A	03/30/07 17:41 / ldw
Endosulfan II	ND	ug/L		0.050		SW8081A	03/30/07 17:41 / ldw
Endosulfan sulfate	ND	ug/L		0.050		SW8081A	03/30/07 17:41 / ldw
Endrin	ND	ug/L		0.050		SW8081A	03/30/07 17:41 / ldw
Endrin aldehyde	ND	ug/L		0.050		SW8081A	03/30/07 17:41 / ldw
Endrin ketone	ND	ug/L		0.050		SW8081A	03/30/07 17:41 / ldw
gamma-BHC (Lindane)	ND	ug/L		0.050		SW8081A	03/30/07 17:41 / ldw
gamma-Chlordane	ND	ug/L		0.050		SW8081A	03/30/07 17:41 / ldw
Heptachlor	ND	ug/L		0.050		SW8081A	03/30/07 17:41 / ldw
Heptachlor epoxide	ND	ug/L		0.050		SW8081A	03/30/07 17:41 / ldw
Isodrin	ND	ug/L		0.050		SW8081A	03/28/07 15:26 / ldw
Kepone	ND	ug/L		0.10		SW8081A	03/28/07 15:26 / ldw
Methoxychlor	ND	ug/L		0.050		SW8081A	03/30/07 17:41 / ldw
Toxaphene	ND	ug/L		5.0		SW8081A	03/28/07 15:26 / ldw
Surr: Decachlorobiphenyl	78.0	%REC			44-119	SW8081A	03/28/07 15:26 / ldw
Surr: Tetrachloro-m-xylene	78.0	%REC			40-120	SW8081A	03/28/07 15:26 / ldw
HERBICIDES, CHLORINATED							
2,4-D	ND	ug/L		1.0		SW8151A	03/30/07 22:44 / jml
Dinoseb	ND	ug/L		1.0		SW8151A	03/30/07 22:44 / jml
2,4,5-T	ND	ug/L		0.20		SW8151A	03/30/07 22:44 / jml
2,4,5-TP (Silvex)	ND	ug/L		0.20		SW8151A	03/30/07 22:44 / jml
Surr: DCAA	91.0	%REC			57-125	SW8151A	03/30/07 22:44 / jml
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	ug/L		0.50		SW8082	03/28/07 15:26 / ldw
Aroclor 1221	ND	ug/L		0.50		SW8082	03/28/07 15:26 / ldw
Aroclor 1232	ND	ug/L		0.50		SW8082	03/28/07 15:26 / ldw
Aroclor 1242	ND	ug/L		0.50		SW8082	03/28/07 15:26 / ldw
Aroclor 1248	ND	ug/L		0.50		SW8082	03/28/07 15:26 / ldw
Aroclor 1254	ND	ug/L		0.50		SW8082	03/28/07 15:26 / ldw
Aroclor 1260	ND	ug/L		0.50		SW8082	03/28/07 15:26 / ldw
Aroclor 1262	ND	ug/L		0.50		SW8082	03/28/07 15:26 / ldw
Aroclor 1268	ND	ug/L		0.50		SW8082	03/28/07 15:26 / ldw
Surr: Decachlorobiphenyl	78.0	%REC			44-119	SW8082	03/28/07 15:26 / ldw
Surr: Tetrachloro-m-xylene	78.0	%REC			40-120	SW8082	03/28/07 15:26 / ldw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Bates Stan Dow Public Works Dept
Project: Oil Landfill
Lab ID: 0070034-001
Client Sample ID: BS-GW-01

Report Date: 04/10/07
Collection Date: 03/21/07 15:15
Date Received: 03/23/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
8021B/8260B/OIL/DRNG PESTICIDES							
Methane	ND	ug/L		0.050		SW8021B	03/30/07 17:41 / ldw
Chloroform	ND	ug/L		0.50		SW8021B	03/30/07 17:41 / ldw
Carbon Tetrachloride	ND	ug/L		0.050		SW8021B	03/30/07 17:41 / ldw
Benzene	ND	ug/L		0.050		SW8021B	03/30/07 17:41 / ldw
Ethylbenzene	ND	ug/L		0.050		SW8021B	03/30/07 17:41 / ldw
Methylene Chloride	ND	ug/L		0.050		SW8021B	03/30/07 17:41 / ldw
Toluene	ND	ug/L		0.050		SW8021B	03/30/07 17:41 / ldw
Ethylene Dibromide	ND	ug/L		0.050		SW8021B	03/30/07 17:41 / ldw
Xylenes, Total	ND	ug/L		0.050		SW8021B	03/30/07 17:41 / ldw
Chlorobenzene	ND	ug/L		0.050		SW8021B	03/30/07 17:41 / ldw
1,2-Dichlorobenzene	ND	ug/L		0.050		SW8021B	03/30/07 17:41 / ldw
1,3-Dichlorobenzene	ND	ug/L		0.050		SW8021B	03/30/07 17:41 / ldw
1,4-Dichlorobenzene	ND	ug/L		0.050		SW8021B	03/30/07 17:41 / ldw
Naphthalene	ND	ug/L		0.050		SW8021B	03/30/07 17:41 / ldw
1,2,4-Trichlorobenzene	ND	ug/L		0.050		SW8021B	03/30/07 17:41 / ldw
1,2,3-Trichlorobenzene	ND	ug/L		0.050		SW8021B	03/30/07 17:41 / ldw
Surr: Bromofluorobenzene	78.0	%REC		44-115		SW8021B	03/30/07 17:41 / ldw
Surr: Trifluorotoluene-ds-gasoline	78.0	%REC		48-120		SW8021B	03/30/07 17:41 / ldw
HERBICIDES, CHLORINATED							
2,4-D	ND	ug/L		1.0		SW8151A	04/09/07 22:44 / ldw
Dicamba	ND	ug/L		1.0		SW8151A	04/09/07 22:44 / ldw
2,4,5-T	ND	ug/L		0.20		SW8151A	04/09/07 22:44 / ldw
2,4,5-TP (Silvex)	ND	ug/L		0.20		SW8151A	04/09/07 22:44 / ldw
Surr: DCAA	72.0	%REC		37-135		SW8151A	04/09/07 22:44 / ldw
POLYCHLORINATED BIPHENYLS (PCBs)							
Aroclor 1016	ND	ug/L		0.20		SW8082	03/28/07 14:29 / ldw
Aroclor 1221	ND	ug/L		0.20		SW8082	03/28/07 14:29 / ldw
Aroclor 1232	ND	ug/L		0.20		SW8082	03/28/07 14:29 / ldw
Aroclor 1242	ND	ug/L		0.20		SW8082	03/28/07 14:29 / ldw
Aroclor 1248	ND	ug/L		0.20		SW8082	03/28/07 14:29 / ldw
Aroclor 1254	ND	ug/L		0.20		SW8082	03/28/07 14:29 / ldw
Aroclor 1260	ND	ug/L		0.20		SW8082	03/28/07 14:29 / ldw
Aroclor 1262	ND	ug/L		0.20		SW8082	03/28/07 14:29 / ldw
Aroclor 1268	ND	ug/L		0.20		SW8082	03/28/07 14:29 / ldw
Surr: Decachlorobiphenyl	78.0	%REC		44-115		SW8082	03/28/07 14:29 / ldw
Surr: Tetrachlorometaxylene	72.0	%REC		40-120		SW8082	03/28/07 14:29 / ldw

Legend: RL - Analyte reporting limit. MCL - Maximum contaminant level.
Definitions: QCL - Quality control limit. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B07031876-002
Client Sample ID BSB-GW-02

Report Date: 04/10/07
Collection Date: 03/21/07 12:55
DateReceived: 03/26/07
Matrix: Aqueous

BSB-A1

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	03/26/07 14:51 / sbd
Acetonitrile	ND	ug/L		20		SW8260B	03/26/07 14:51 / sbd
Acrolein	ND	ug/L		20		SW8260B	03/26/07 14:51 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	03/26/07 14:51 / sbd
Allyl chloride	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
Benzene	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
Chloroprene	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	03/26/07 14:51 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Buffalo Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: 0010318175-002
Client Sample ID: BSB-SW-02

Report Date: 06/10/07
Collection Date: 05/24/07 12:05
Date Received: 05/26/07
Matrix: Aqueous

SW-A1

Analyte	Result	Units	Qualifiers	RL	MDL / QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Benzene	ND	ug/L		.20		SW8260B	05/30/07 14:21 / kdd
Acrylonitrile	ND	ug/L		.50		SW8260B	05/30/07 14:21 / kdd
Bromobenzene	ND	ug/L		.50		SW8260B	05/30/07 14:21 / kdd
Bromochloromethane	ND	ug/L		.50		SW8260B	05/30/07 14:21 / kdd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
Bromoform	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
Bromomethane	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
2-Butanone (MEK)	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
n-Butylbenzene	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
Carbon disulfide	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
Chlorobenzene	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
Chloroethane	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
Chloroform	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
Chloromethane	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
Chloroprene	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
Dibromomethane	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
Diethyl ether	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd
2-Hexanone	ND	ug/L		.20		SW8260B	05/30/07 14:21 / kdd
Isopropylbenzene	ND	ug/L		1.0		SW8260B	05/30/07 14:21 / kdd

Flags/ Qualifiers: RL - Analyte reporting limit
QCL - Quality control limit
MDL - Maximum contaminant level
ND - Not detected at the reporting limit

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B07031876-002
Client Sample ID BSB-GW-02

Report Date: 04/10/07
Collection Date: 03/21/07 12:55
DateReceived: 03/26/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Isobutanol	ND	ug/L		50		SW8260B	03/26/07 14:51 / sbd
Methacrylonitrile	ND	ug/L		20		SW8260B	03/26/07 14:51 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	03/26/07 14:51 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	03/26/07 14:51 / sbd
Methyl methacrylate	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
Naphthalene	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
Pentachloroethane	ND	ug/L		2.0		SW8260B	03/26/07 14:51 / sbd
Propionitrile	ND	ug/L		20		SW8260B	03/26/07 14:51 / sbd
Styrene	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
Toluene	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	03/26/07 14:51 / sbd
Surr: 1,2-Dichloroethane-d4	98.0	%REC			70-130	SW8260B	03/26/07 14:51 / sbd
Surr: Dibromofluoromethane	100	%REC			77-126	SW8260B	03/26/07 14:51 / sbd
Surr: p-Bromofluorobenzene	94.0	%REC			76-127	SW8260B	03/26/07 14:51 / sbd
Surr: Toluene-d8	96.0	%REC			79-122	SW8260B	03/26/07 14:51 / sbd
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4,5-Tetrachlorobenzene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
1,2-Dichlorobenzene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
1,3,5-Trinitrobenzene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
1,3-Dinitrobenzene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
1,4-Benzenediamine	ND	ug/L	P			SW8270C	04/05/07 07:30 / dsm
1,4-Dichlorobenzene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
1,4-Naphthoquinone	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
1-Methylnaphthalene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
1-Naphthylamine	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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403-32[illegible] • 403-[illegible] • 403-[illegible] • andrlab@[illegible].com

LABORATORY ANALYTICAL REPORT

Client: Dade Silver Bow Public Works Dept.
Project: OH / Area
Lab ID: 96-07[illegible]-002
Client Sample ID: [illegible]-GW-02

Report Date: 06/10/07
Collection Date: 02/21/07 12:55
Date Received: 02/23/07
Matrix: Aqueous

Analyte	Result	Units	Qualifiers	RL	MCL / QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Benzene	ND	ug/L		10		SW8260B	03/06/07 14:37 / kkd
Bromobenzene	ND	ug/L		20		SW8260B	03/06/07 14:37 / kkd
Bromochloromethane	ND	ug/L		20		SW8260B	03/06/07 14:37 / kkd
Bromodichloromethane	ND	ug/L		20		SW8260B	03/06/07 14:37 / kkd
Bromoform	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
Bromomethane	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
n-Butylbenzene	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
Carbon tetrachloride	ND	ug/L		20		SW8260B	03/06/07 14:37 / kkd
Chlorobenzene	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
Chloroethane	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
2-Chloroethylvinylether	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
Chloroform	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
Chloromethane	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
Dibromomethane	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
1,1-Dichloroethylene	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
1,2-Dichloroethylene	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
Ethylbenzene	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
Isopropylbenzene	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
Methylene chloride	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
Naphthalene	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
n-Propylbenzene	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
Styrene	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
Tetrachloroethylene	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
Toluene	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
Trichloroethylene	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
Vinyl acetate	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
Vinyl chloride	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
m-Xylene	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
o-Xylene	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
Xylenes, Total	ND	ug/L		1.0		SW8260B	03/06/07 14:37 / kkd
Surr: 1,2-Dichlorobenzene-d4	82.0	%REC			70-130	SW8260B	03/06/07 14:37 / kkd
Surr: Dibromofluorobenzene	102	%REC			77-124	SW8260B	03/06/07 14:37 / kkd
Surr: Toluene-d8	99.0	%REC			76-127	SW8260B	03/06/07 14:37 / kkd
Surr: Toluene-d7	99.0	%REC			70-123	SW8260B	03/06/07 14:37 / kkd
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4,5-Tetrachlorobenzene	ND	ug/L		10		SW8270C	04/06/07 07:30 / dbm
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	04/06/07 07:30 / dbm
1,2-Dichlorobenzene	ND	ug/L		10		SW8270C	04/06/07 07:30 / dbm
1,2,3-Trichlorobenzene	ND	ug/L		10		SW8270C	04/06/07 07:30 / dbm
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	04/06/07 07:30 / dbm
1,3-Dinitrobenzene	ND	ug/L		10		SW8270C	04/06/07 07:30 / dbm
1,4-Bromophenylether	ND	ug/L	P			SW8270C	04/06/07 07:30 / dbm
1,4-Dichlorobenzene	ND	ug/L		10		SW8270C	04/06/07 07:30 / dbm
1,4-Naphthoquinone	ND	ug/L		10		SW8270C	04/06/07 07:30 / dbm
1-Methylnaphthalene	ND	ug/L		10		SW8270C	04/06/07 07:30 / dbm
1-Naphthylamine	ND	ug/L		10		SW8270C	04/06/07 07:30 / dbm

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
P - Poor recovery performance. Method uncertainty (see notes).
no more than one level or one method performance.

SEMI-VOLATILE ORGANIC COMPOUNDS

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B07031876-002
Client Sample ID BSB-GW-02

Report Date: 04/10/07
Collection Date: 03/21/07 12:55
DateReceived: 03/26/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
2,3,4,6-Tetrachlorophenol	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
2,4,5-Trichlorophenol	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
2,4,6-Trichlorophenol	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
2,4-Dichlorophenol	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
2,4-Dimethylphenol	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
2,4-Dinitrophenol	ND	ug/L		50		SW8270C	04/05/07 07:30 / dsm
2,4-Dinitrotoluene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
2,6-Dichlorophenol	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
2,6-Dinitrotoluene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
2-Acetylaminofluorene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
2-Chloronaphthalene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
2-Chlorophenol	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
2-Methylnaphthalene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
2-Naphthylamine	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
2-Nitroaniline	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
2-Nitrophenol	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
2-Picoline	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
3,3´-Dichlorobenzidine	ND	ug/L		20		SW8270C	04/05/07 07:30 / dsm
3,3´-Dimethylbenzidine	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
3-Methylcholanthrene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
3-Nitroaniline	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
4,6-Dinitro-2-methylphenol	ND	ug/L		50		SW8270C	04/05/07 07:30 / dsm
4-Aminobiphenyl	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
4-Bromophenyl phenyl ether	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
4-Chloro-2-methylphenol	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
4-Chloro-3-methylphenol	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
4-Chlorophenol	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
4-Chlorophenyl phenyl ether	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
4-Nitroaniline	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
4-Nitrophenol	ND	ug/L		50		SW8270C	04/05/07 07:30 / dsm
4-Nitroquinoline-n-oxide	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
5-Nitro-o-toluidine	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
7,12-Dimethylbenz(a)anthracene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
a,a-Dimethylphenethylamine	ND	ug/L	P			SW8270C	04/05/07 07:30 / dsm
Acenaphthene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Acenaphthylene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Acetophenone	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Aniline	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Anthracene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Aramite	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Azobenzene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Benzidine	ND	ug/L		20		SW8270C	04/05/07 07:30 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B07031876-002
Client Sample ID BSB-GW-02

Report Date: 04/10/07
Collection Date: 03/21/07 12:55
DateReceived: 03/26/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Benzo(a)anthracene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Benzo(a)pyrene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Benzo(b)fluoranthene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Benzo(g,h,i)perylene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Benzo(k)fluoranthene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Benzyl alcohol	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
bis(-2-chloroethoxy)Methane	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
bis(-2-chloroethyl)Ether	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
bis(2-chloroisopropyl)Ether	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
bis(2-ethylhexyl)Phthalate	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Butylbenzylphthalate	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Chlorobenzilate	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Chrysene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Diallate	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Dibenzo(a,h)anthracene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Dibenzofuran	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Diethyl phthalate	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Dimethoate	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Dimethyl phthalate	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Di-n-butyl phthalate	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Di-n-octyl phthalate	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Diphenylamine	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Disulfoton	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Ethyl methanesulfonate	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Famphur	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Fluoranthene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Fluorene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Hexachlorobenzene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Hexachlorobutadiene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Hexachlorocyclopentadiene	ND	ug/L		20		SW8270C	04/05/07 07:30 / dsm
Hexachloroethane	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Hexachlorophene	ND	ug/L	P			SW8270C	04/05/07 07:30 / dsm
Hexachloropropene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Indeno(1,2,3-cd)pyrene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Isophorone	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Isosafrole	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
m+p-Cresols	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Methapyrilene	ND	ug/L	P			SW8270C	04/05/07 07:30 / dsm
Methyl methanesulfonate	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Methyl parathion	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Naphthalene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Nitrobenzene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

ENERGY LABORATORIES

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B07031876-002
Client Sample ID BSB-GW-02

Report Date: 04/10/07
Collection Date: 03/21/07 12:55
DateReceived: 03/26/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
n-Nitrosodiethylamine	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
n-Nitrosodimethylamine	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
n-Nitroso-di-n-butylamine	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
n-Nitroso-di-n-propylamine	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
n-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
n-Nitrosomethylethylamine	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
n-Nitrosomorpholine	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
n-Nitrosopiperidine	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
n-Nitrosopyrrolidine	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
o,o,o-Triethyl phosphorothioate	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
o-Cresol	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
o-Toluidine	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
p-(dimethylamino)Azobenzene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Parathion	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
p-Chloroaniline	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Pentachlorobenzene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Pentachloronitrobenzene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Pentachlorophenol	ND	ug/L		50		SW8270C	04/05/07 07:30 / dsm
Phenacetin	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Phenanthrene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Phenol	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Phorate	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Pronamide	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Pyrene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Pyridine	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Safrole	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Sulfotep	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Thionazin	ND	ug/L		10		SW8270C	04/05/07 07:30 / dsm
Surr: 2,4,6-Tribromophenol	52.0	%REC			10-123	SW8270C	04/05/07 07:30 / dsm
Surr: 2-Fluorobiphenyl	54.0	%REC			43-116	SW8270C	04/05/07 07:30 / dsm
Surr: 2-Fluorophenol	35.0	%REC			21-100	SW8270C	04/05/07 07:30 / dsm
Surr: Nitrobenzene-d5	49.0	%REC			35-114	SW8270C	04/05/07 07:30 / dsm
Surr: Phenol-d5	30.0	%REC			10-94	SW8270C	04/05/07 07:30 / dsm
Surr: Terphenyl-d14	39.0	%REC			33-141	SW8270C	04/05/07 07:30 / dsm
8081A-ORGANOCHLORINE PESTICIDES							
4,4'-DDD	ND	ug/L		0.050		SW8081A	03/30/07 19:33 / ldw
4,4'-DDE	ND	ug/L		0.050		SW8081A	03/30/07 19:33 / ldw
4,4'-DDT	ND	ug/L		0.050		SW8081A	03/30/07 19:33 / ldw
Aldrin	ND	ug/L		0.050		SW8081A	03/30/07 19:33 / ldw
alpha-BHC	ND	ug/L		0.050		SW8081A	03/30/07 19:33 / ldw
alpha-Chlordane	ND	ug/L		0.050		SW8081A	03/30/07 19:33 / ldw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Bluff Dale Bluff Public Works Dept
Project: Old Landfill
Lab ID: 8011031819-002
Client Sample ID: 2SB-GW-02

Report Date: 08/18/07
Collection Date: 03/21/07 12:30
Date Received: 03/28/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
4-Nitroaniline	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
4-Nitrophenol	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
Acenaphthene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
4-Chloro-3-methylphenol	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
2-Methylnaphthalene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
1-Methylnaphthalene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
2-Chloronaphthalene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
2-Nitroaniline	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
Dibenzofuran	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
2,4-Dinitrotoluene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
2,6-Dinitrotoluene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
Diethyl phthalate	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
4-Chlorophenyl-phenylether	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
Fluorene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
4-Nitrophenol	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
4,6-Dinitro-2-methylphenol	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
N-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
4-Bromophenyl-phenylether	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
Hexachlorobenzene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
Pentachlorophenol	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
Phenanthrene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
Anthracene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
Carbazole	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
Di-n-butylphthalate	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
Fluoranthene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
Pyrene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
Butylbenzylphthalate	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
3,3'-Dichlorobenzidine	ND	ug/L		20		SW8270C	04/05/07 07:30 / dam
Benzo(a)anthracene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
Chrysene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
bis(2-Ethylhexyl)phthalate	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
Di-n-octylphthalate	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
Benzo(b)fluoranthene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
Benzo(k)fluoranthene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
Benzo(a)pyrene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
Indeno(1,2,3-cd)pyrene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
Dibenz(a,h)anthracene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
Benzo(g,h,i)perylene	ND	ug/L		10		SW8270C	04/05/07 07:30 / dam
Surr: 2,4,6-Tribromophenol	52.0	%REC		15-123		SW8270C	04/05/07 07:30 / dam
Surr: 2-Fluorobiphenyl	54.0	%REC		43-116		SW8270C	04/05/07 07:30 / dam
Surr: 2-Fluorophenol	30.0	%REC		21-100		SW8270C	04/05/07 07:30 / dam
Surr: Nitrobenzene-d5	42.0	%REC		35-114		SW8270C	04/05/07 07:30 / dam
Surr: Phenol-d5	20.0	%REC		10-94		SW8270C	04/05/07 07:30 / dam
Surr: Terphenyl-d14	26.0	%REC		33-141		SW8270C	04/05/07 07:30 / dam
SELECTED CHLORINATED PESTICIDES							
4,4'-DDD	ND	ug/L		0.050		SW8081A	03/30/07 10:33 / ksw
4,4'-DDE	ND	ug/L		0.050		SW8081A	03/30/07 10:33 / ksw
4,4'-DDT	ND	ug/L		0.050		SW8081A	03/30/07 10:33 / ksw
Aldrin	ND	ug/L		0.050		SW8081A	03/30/07 10:33 / ksw
Alpha-BHC	ND	ug/L		0.050		SW8081A	03/30/07 10:33 / ksw
Alpha-Chlordane	ND	ug/L		0.050		SW8081A	03/30/07 10:33 / ksw

Reporting Limits: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B07031876-002
Client Sample ID BSB-GW-02

Report Date: 04/10/07
Collection Date: 03/21/07 12:55
DateReceived: 03/26/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
8081A-ORGANOCHLORINE PESTICIDES							
beta-BHC	ND	ug/L		0.050		SW8081A	03/30/07 19:33 / ldw
Chlordane	ND	ug/L		0.50		SW8081A	03/30/07 19:33 / ldw
delta-BHC	ND	ug/L		0.050		SW8081A	03/30/07 19:33 / ldw
Dieldrin	ND	ug/L		0.050		SW8081A	03/30/07 19:33 / ldw
Endosulfan I	ND	ug/L		0.050		SW8081A	03/30/07 19:33 / ldw
Endosulfan II	ND	ug/L		0.050		SW8081A	03/30/07 19:33 / ldw
Endosulfan sulfate	ND	ug/L		0.050		SW8081A	03/30/07 19:33 / ldw
Endrin	ND	ug/L		0.050		SW8081A	03/30/07 19:33 / ldw
Endrin aldehyde	ND	ug/L		0.050		SW8081A	03/30/07 19:33 / ldw
Endrin ketone	ND	ug/L		0.050		SW8081A	03/30/07 19:33 / ldw
gamma-BHC (Lindane)	ND	ug/L		0.050		SW8081A	03/30/07 19:33 / ldw
gamma-Chlordane	ND	ug/L		0.050		SW8081A	03/30/07 19:33 / ldw
Heptachlor	ND	ug/L		0.050		SW8081A	03/30/07 19:33 / ldw
Heptachlor epoxide	ND	ug/L		0.050		SW8081A	03/30/07 19:33 / ldw
Isodrin	ND	ug/L		0.050		SW8081A	03/28/07 17:18 / ldw
Kepone	ND	ug/L		0.10		SW8081A	03/28/07 17:18 / ldw
Methoxychlor	ND	ug/L		0.050		SW8081A	03/30/07 19:33 / ldw
Toxaphene	ND	ug/L		5.0		SW8081A	03/28/07 17:18 / ldw
Surr: Decachlorobiphenyl	72.0	%REC			44-119	SW8081A	03/28/07 17:18 / ldw
Surr: Tetrachloro-m-xylene	75.0	%REC			40-120	SW8081A	03/28/07 17:18 / ldw
HERBICIDES, CHLORINATED							
2,4-D	ND	ug/L		1.0		SW8151A	03/30/07 23:17 / jml
Dinoseb	ND	ug/L		1.0		SW8151A	03/30/07 23:17 / jml
2,4,5-T	ND	ug/L		0.20		SW8151A	03/30/07 23:17 / jml
2,4,5-TP (Silvex)	ND	ug/L		0.20		SW8151A	03/30/07 23:17 / jml
Surr: DCAA	80.0	%REC			57-125	SW8151A	03/30/07 23:17 / jml
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	ug/L		0.50		SW8082	03/28/07 17:18 / ldw
Aroclor 1221	ND	ug/L		0.50		SW8082	03/28/07 17:18 / ldw
Aroclor 1232	ND	ug/L		0.50		SW8082	03/28/07 17:18 / ldw
Aroclor 1242	ND	ug/L		0.50		SW8082	03/28/07 17:18 / ldw
Aroclor 1248	ND	ug/L		0.50		SW8082	03/28/07 17:18 / ldw
Aroclor 1254	ND	ug/L		0.50		SW8082	03/28/07 17:18 / ldw
Aroclor 1260	ND	ug/L		0.50		SW8082	03/28/07 17:18 / ldw
Aroclor 1262	ND	ug/L		0.50		SW8082	03/28/07 17:18 / ldw
Aroclor 1268	ND	ug/L		0.50		SW8082	03/28/07 17:18 / ldw
Surr: Decachlorobiphenyl	72.0	%REC			44-119	SW8082	03/28/07 17:18 / ldw
Surr: Tetrachloro-m-xylene	75.0	%REC			40-120	SW8082	03/28/07 17:18 / ldw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT
[illegible] Street • [illegible]
[illegible] • [illegible] • [illegible]

LABORATORY ANALYTICAL REPORT

Client: Tulip Silver Sea Pulse Night Dive
Project: Oil Leak
Lab ID: 8010318-002
Client Sample ID: B03-GW-02

Report Date: 08/10/07
Collection Date: 03/31/07 12:00
Date Received: 03/08/07
Matrix: Aqueous

Analyte	Result	Units	Qualifiers	RL	MCL / QCL	Method	Analysis Date / By
8011/ORGANOCHLORINE PESTICIDES							
beta-BHC	ND	ug/l		0.050		SW8081A	03/30/07 19:33 / kw
Dinoseb	ND	ug/l		0.50		SW8081A	03/30/07 19:33 / kw
delta-BHC	ND	ug/l		0.050		SW8081A	03/30/07 19:33 / kw
Dieldrin	ND	ug/l		0.050		SW8081A	03/30/07 19:33 / kw
Endosulfan I	ND	ug/l		0.050		SW8081A	03/30/07 19:33 / kw
Endosulfan II	ND	ug/l		0.050		SW8081A	03/30/07 19:33 / kw
Endosulfan sulfate	ND	ug/l		0.050		SW8081A	03/30/07 19:33 / kw
Endrin	ND	ug/l		0.050		SW8081A	03/30/07 19:33 / kw
Endrin aldehyde	ND	ug/l		0.050		SW8081A	03/30/07 19:33 / kw
Endrin ketone	ND	ug/l		0.050		SW8081A	03/30/07 19:33 / kw
gamma-BHC (Lindane)	ND	ug/l		0.050		SW8081A	03/30/07 19:33 / kw
gamma-Chlordane	ND	ug/l		0.050		SW8081A	03/30/07 19:33 / kw
Heptachlor	ND	ug/l		0.050		SW8081A	03/30/07 19:33 / kw
Heptachlor epoxide	ND	ug/l		0.050		SW8081A	03/30/07 19:33 / kw
Methoxychlor	ND	ug/l		0.050		SW8081A	03/30/07 19:33 / kw
Toxaphene	ND	ug/l		0.50		SW8081A	03/30/07 19:33 / kw
Surr: Decachlorobiphenyl	72.0	%REC			44-119	SW8081A	03/30/07 19:33 / kw
Surr: Tetrachloro-m-xylene	75.0	%REC			40-120	SW8081A	03/30/07 19:33 / kw
8151/HERBICIDES, CHLORINATED							
2,4-D	ND	ug/l		1.0		SW8151A	03/30/07 20:17 / jm
Dinoseb	ND	ug/l		1.0		SW8151A	03/30/07 20:17 / jm
2,4-T	ND	ug/l		0.10		SW8151A	03/30/07 20:17 / jm
2,4,5-TP (Silvex)	ND	ug/l		0.20		SW8151A	03/30/07 20:17 / jm
Surr: DCAA	50.0	%REC			27-125	SW8151A	03/30/07 20:17 / jm
8082/POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	ug/l		0.50		SW8082	03/30/07 17:18 / kw
Aroclor 1221	ND	ug/l		0.50		SW8082	03/30/07 17:18 / kw
Aroclor 1232	ND	ug/l		0.50		SW8082	03/30/07 17:18 / kw
Aroclor 1242	ND	ug/l		0.50		SW8082	03/30/07 17:18 / kw
Aroclor 1248	ND	ug/l		0.50		SW8082	03/30/07 17:18 / kw
Aroclor 1254	ND	ug/l		0.50		SW8082	03/30/07 17:18 / kw
Aroclor 1260	ND	ug/l		0.50		SW8082	03/30/07 17:18 / kw
Aroclor 1262	ND	ug/l		0.50		SW8082	03/30/07 17:18 / kw
Aroclor 1268	ND	ug/l		0.50		SW8082	03/30/07 17:18 / kw
Surr: Decachlorobiphenyl	72.0	%REC			44-119	SW8082	03/30/07 17:18 / kw
Surr: Tetrachloro-m-xylene	75.0	%REC			40-120	SW8082	03/30/07 17:18 / kw

Reason: RL - Analyte reporting limit
Definitions: QCL - Control limit exceed

MCL - Maximum contaminant level
ND - not detected at the reporting limit

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B07031876-003
Client Sample ID BSB-GW-03

Report Date: 04/10/07
Collection Date: 03/21/07 11:35
DateReceived: 03/26/07
Matrix: Aqueous

BSB-A5

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	03/26/07 15:20 / sbd
Acetonitrile	ND	ug/L		20		SW8260B	03/26/07 15:20 / sbd
Acrolein	ND	ug/L		20		SW8260B	03/26/07 15:20 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	03/26/07 15:20 / sbd
Allyl chloride	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
Benzene	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
Chloroprene	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
cis-1,2-Dichloroethene	1.3	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	03/26/07 15:20 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Tube Saver Bus Sales Work Dept
Project: Oil Leak
Lab ID: 97170178-003
Client Sample ID: 838-GV-03

Report Date: 04/10/07
Collection Date: 03/21/07 11:30
Date Received: 03/29/07
Matrix: Aqueous

8260B

Analyte	Result	Units	Qualifiers	RL	MCL / DCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	03/30/07 16:30 / kcd
Acetonitrile	ND	ug/L		20		SW8260B	03/30/07 16:30 / kcd
Acrolein	ND	ug/L		20		SW8260B	03/30/07 16:30 / kcd
Acrylonitrile	ND	ug/L		20		SW8260B	03/30/07 16:30 / kcd
Allyl alcohol	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
Benzene	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
Bromobenzene	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
Bromochloromethane	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
Bromoform	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
Bromomethane	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
Carbon disulfide	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
Chlorobenzene	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
Chloroethane	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
Chloroform	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
Chloromethane	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
Chloroprene	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
Crotonaldehyde	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
Cumene	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
Dibromomethane	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
Dibromomethane	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
2,3-Dichlorotoluene	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
2,4-Dichlorotoluene	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
2,5-Dichlorotoluene	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
2,6-Dichlorotoluene	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
3,4-Dichlorotoluene	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
3,5-Dichlorotoluene	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
Diethyl ether	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
Diisopropyl ether	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
Dimethylacetamide	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
Dimethylformamide	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd
2,4-Dinitrotoluene	ND	ug/L		20		SW8260B	03/30/07 16:30 / kcd
Isobutyl alcohol	ND	ug/L		1.0		SW8260B	03/30/07 16:30 / kcd

Reporting Limit: RL - Analyte reporting limit.
Qualifiers: DCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B07031876-003
Client Sample ID BSB-GW-03

Report Date: 04/10/07
Collection Date: 03/21/07 11:35
DateReceived: 03/26/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Isobutanol	ND	ug/L		50		SW8260B	03/26/07 15:20 / sbd
Methacrylonitrile	ND	ug/L		20		SW8260B	03/26/07 15:20 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	03/26/07 15:20 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	03/26/07 15:20 / sbd
Methyl methacrylate	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
Naphthalene	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
Pentachloroethane	ND	ug/L		2.0		SW8260B	03/26/07 15:20 / sbd
Propionitrile	ND	ug/L		20		SW8260B	03/26/07 15:20 / sbd
Styrene	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
Tetrachloroethene	0.86	ug/L	J	1.0		SW8260B	03/26/07 15:20 / sbd
Toluene	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
Trichloroethene	0.25	ug/L	J	1.0		SW8260B	03/26/07 15:20 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	03/26/07 15:20 / sbd
Surr: 1,2-Dichloroethane-d4	97.0	%REC			70-130	SW8260B	03/26/07 15:20 / sbd
Surr: Dibromofluoromethane	100	%REC			77-126	SW8260B	03/26/07 15:20 / sbd
Surr: p-Bromofluorobenzene	94.0	%REC			76-127	SW8260B	03/26/07 15:20 / sbd
Surr: Toluene-d8	97.0	%REC			79-122	SW8260B	03/26/07 15:20 / sbd
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4,5-Tetrachlorobenzene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
1,2-Dichlorobenzene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
1,3,5-Trinitrobenzene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
1,3-Dinitrobenzene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
1,4-Benzenediamine	ND	ug/L	P			SW8270C	04/05/07 08:01 / dsm
1,4-Dichlorobenzene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
1,4-Naphthoquinone	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
1-Methylnaphthalene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
1-Naphthylamine	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.

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LABORATORY ANALYTICAL REPORT

Client: Bella Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B07103 1326-003
Client Sample ID: B30-DW-03

Report Date: 8/10/07
Collection Date: 03/12/07 11:35
DateReceived: 03/20/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Benzene	ND	ug/L		50		SW8260B	03/26/07 15:30 / sad
Bromobenzene	ND	ug/L		20		SW8260B	03/26/07 15:30 / sad
Bromo chloro methane	ND	ug/L		20		SW8260B	03/26/07 15:30 / sad
Bromo dichloro methane	ND	ug/L		20		SW8260B	03/26/07 15:30 / sad
Bromo methane (methyl bromide)	ND	ug/L		1.0		SW8260B	03/26/07 15:30 / sad
Bromo methane (methyl bromide)	ND	ug/L		1.0		SW8260B	03/26/07 15:30 / sad
Bromoform	ND	ug/L		1.0		SW8260B	03/26/07 15:30 / sad
Butylbenzene	ND	ug/L		2.0		SW8260B	03/26/07 15:30 / sad
Carbon tetrachloride	ND	ug/L		20		SW8260B	03/26/07 15:30 / sad
Chlorobenzene	ND	ug/L		1.0		SW8260B	03/26/07 15:30 / sad
Chloroethane	ND	ug/L		1.0		SW8260B	03/26/07 15:30 / sad
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	03/26/07 15:30 / sad
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/26/07 15:30 / sad
Trichloroethene	0.86	ug/L	J	1.0		SW8260B	03/26/07 15:30 / sad
Trichloro fluoro methane	ND	ug/L		1.0		SW8260B	03/26/07 15:30 / sad
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	03/26/07 15:30 / sad
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	03/26/07 15:30 / sad
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	03/26/07 15:30 / sad
Trichloroethene	0.23	ug/L	J	1.0		SW8260B	03/26/07 15:30 / sad
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	03/26/07 15:30 / sad
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	03/26/07 15:30 / sad
Vinyl acetate	ND	ug/L		1.0		SW8260B	03/26/07 15:30 / sad
Vinyl chloride	ND	ug/L		1.0		SW8260B	03/26/07 15:30 / sad
m+p-Xylenes	ND	ug/L		1.0		SW8260B	03/26/07 15:30 / sad
o-Xylene	ND	ug/L		1.0		SW8260B	03/26/07 15:30 / sad
Xylenes, Total	ND	ug/L		1.0		SW8260B	03/26/07 15:30 / sad
Surr: 1,2-Dichlorobenzene-d4	97.8	%REC			70-130	SW8260B	03/26/07 15:30 / sad
Surr: Dibromofluoromethane	100	%REC			77-129	SW8260B	03/26/07 15:30 / sad
Surr: p-Bromofluorobenzene	97.0	%REC			79-127	SW8260B	03/26/07 15:30 / sad
Surr: Toluene-d8	97.4	%REC			79-122	SW8260B	03/26/07 15:30 / sad
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4,5-Tetrachlorobenzene	ND	ug/L		10		SW8270C	04/09/07 00:07 / dam
2,3,4,6-Tetrachlorophenol	ND	ug/L		10		SW8270C	04/09/07 00:07 / dam
1,2-Dichlorobenzene	ND	ug/L		10		SW8270C	04/09/07 00:07 / dam
1,3,5-Trinitrobenzene	ND	ug/L		10		SW8270C	04/09/07 00:07 / dam
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	04/09/07 00:07 / dam
1,3-Dinitrobenzene	ND	ug/L		10		SW8270C	04/09/07 00:07 / dam
1,4-Dichlorobenzene	ND	ug/L				SW8270C	04/09/07 00:07 / dam
1,4-Dioxane (p-Dioxane)	ND	ug/L		10		SW8270C	04/09/07 00:07 / dam
1-Naphthylamine	ND	ug/L		10		SW8270C	04/09/07 00:07 / dam
2,3,4,6-Tetrachlorophenol	ND	ug/L		10		SW8270C	04/09/07 00:07 / dam
2-Naphthylamine	ND	ug/L		10		SW8270C	04/09/07 00:07 / dam
2-Nitroaniline	ND	ug/L		10		SW8270C	04/09/07 00:07 / dam

Report RL - Analyte reporting limit.
Definitions: MCL - Maximum contaminant level.
QCL - Quality control limit.
MQL - Method quantitation limit.
ND - Not detected at the reporting limit.
J - Estimated value. The analyte was present but less than the reporting limit.
B - Analyte detected in the associated method blank.
H - Holding times for preparation or analysis exceeded.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B07031876-003
Client Sample ID BSB-GW-03

Report Date: 04/10/07
Collection Date: 03/21/07 11:35
DateReceived: 03/26/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
2,3,4,6-Tetrachlorophenol	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
2,4,5-Trichlorophenol	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
2,4,6-Trichlorophenol	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
2,4-Dichlorophenol	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
2,4-Dimethylphenol	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
2,4-Dinitrophenol	ND	ug/L		50		SW8270C	04/05/07 08:01 / dsm
2,4-Dinitrotoluene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
2,6-Dichlorophenol	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
2,6-Dinitrotoluene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
2-Acetylaminofluorene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
2-Chloronaphthalene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
2-Chlorophenol	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
2-Methylnaphthalene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
2-Naphthylamine	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
2-Nitroaniline	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
2-Nitrophenol	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
2-Picoline	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
3,3´-Dichlorobenzidine	ND	ug/L		20		SW8270C	04/05/07 08:01 / dsm
3,3´-Dimethylbenzidine	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
3-Methylcholanthrene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
3-Nitroaniline	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
4,6-Dinitro-2-methylphenol	ND	ug/L		50		SW8270C	04/05/07 08:01 / dsm
4-Aminobiphenyl	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
4-Bromophenyl phenyl ether	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
4-Chloro-2-methylphenol	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
4-Chloro-3-methylphenol	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
4-Chlorophenol	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
4-Chlorophenyl phenyl ether	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
4-Nitroaniline	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
4-Nitrophenol	ND	ug/L		50		SW8270C	04/05/07 08:01 / dsm
4-Nitroquinoline-n-oxide	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
5-Nitro-o-toluidine	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
7,12-Dimethylbenz(a)anthracene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
a,a-Dimethylphenethylamine	ND	ug/L	P			SW8270C	04/05/07 08:01 / dsm
Acenaphthene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Acenaphthylene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Acetophenone	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Aniline	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Anthracene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Aramite	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Azobenzene	ND	ug/L		10		SW8270C	04/05/07 08:01 / dsm
Benzidine	ND	ug/L		20		SW8270C	04/05/07 08:01 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sylvia Dyke Bow Public Works Dept
Project: Old Landfill
Lab ID: B0700167-006
Client Sample ID: Trip Blank, Lot 0220014,2,-A

Report Date: 04/10/07
Collection Date: 02/21/07 11:35
Date Received: 02/28/07
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL or PQL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	03/08/07 16:46 / aat
Benzene	ND	ug/L		20		SW8260B	03/08/07 16:46 / aat
Bromobenzene	ND	ug/L		20		SW8260B	03/08/07 16:46 / aat
Bromochloromethane	ND	ug/L		20		SW8260B	03/08/07 16:46 / aat
Bromodichloromethane	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
Bromoform	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
Bromomethane	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
2-Butanone (MEK)	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
n-Butylbenzene	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
Carbon disulfide	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
Chlorobenzene	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
Chloroethane	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
Chloroform	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
Chloromethane	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
Chloroprene	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
Dibromomethane	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
Ethylbenzene	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat
2-Hexanone	ND	ug/L		20		SW8260B	03/08/07 16:46 / aat
Isopropylbenzene	ND	ug/L		1.0		SW8260B	03/08/07 16:46 / aat

Qualifiers: RL - Analyte reporting limit.
MCL - Maximum Contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B07031876-006
Client Sample ID Trip Blank, Lot 0220074, B-JN

Report Date: 04/10/07
Collection Date: 03/21/07 11:35
DateReceived: 03/26/07
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Isobutanol	ND	ug/L		50		SW8260B	03/26/07 16:45 / sbd
Methacrylonitrile	ND	ug/L		20		SW8260B	03/26/07 16:45 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	03/26/07 16:45 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	03/26/07 16:45 / sbd
Methyl methacrylate	ND	ug/L		1.0		SW8260B	03/26/07 16:45 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	03/26/07 16:45 / sbd
Naphthalene	ND	ug/L		1.0		SW8260B	03/26/07 16:45 / sbd
Pentachloroethane	ND	ug/L		2.0		SW8260B	03/26/07 16:45 / sbd
Propionitrile	ND	ug/L		20		SW8260B	03/26/07 16:45 / sbd
Styrene	ND	ug/L		1.0		SW8260B	03/26/07 16:45 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/26/07 16:45 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/26/07 16:45 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	03/26/07 16:45 / sbd
Toluene	ND	ug/L		1.0		SW8260B	03/26/07 16:45 / sbd
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	03/26/07 16:45 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	03/26/07 16:45 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	03/26/07 16:45 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	03/26/07 16:45 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	03/26/07 16:45 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	03/26/07 16:45 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	03/26/07 16:45 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	03/26/07 16:45 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	03/26/07 16:45 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	03/26/07 16:45 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	03/26/07 16:45 / sbd
Surr: 1,2-Dichloroethane-d4	97.0	%REC			70-130	SW8260B	03/26/07 16:45 / sbd
Surr: Dibromofluoromethane	100	%REC			77-126	SW8260B	03/26/07 16:45 / sbd
Surr: p-Bromofluorobenzene	95.0	%REC			76-127	SW8260B	03/26/07 16:45 / sbd
Surr: Toluene-d8	91.0	%REC			79-122	SW8260B	03/26/07 16:45 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Bonita Bitter Gum Prairie Water Dist.
Project: 2014 Landfill
Lab ID: 8070108-016
Client Sample ID: Trip Blank | at 02/20/07 | 11:35

Report Date: 02/10/07
Collection Date: 02/12/07 11:35
Delivered/rec: 02/20/07
Matrix: Trip Blank

Analyte	Result	Limit	Qualifier	RL	MCL / QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Benzene	ND	1ug/L		50		SW8260B	02/20/07 16:43 / ebd
Bromobenzene	ND	1ug/L		20		SW8260B	02/20/07 16:43 / ebd
Bromochloromethane	ND	1ug/L		20		SW8260B	02/20/07 16:43 / ebd
Bromodichloromethane	ND	1ug/L		20		SW8260B	02/20/07 16:43 / ebd
Bromoform	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
Bromomethane	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
n-Butylbenzene	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
sec-Butylbenzene	ND	1ug/L		2.0		SW8260B	02/20/07 16:43 / ebd
tert-Butylbenzene	ND	1ug/L		2.0		SW8260B	02/20/07 16:43 / ebd
Carbon tetrachloride	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
Chlorobenzene	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
Chloroethane	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
Chloroform	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
Chloromethane	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
2-Chlorotoluene	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
4-Chlorotoluene	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
1,2-Dibromo-3-chloropropane	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
1,2-Dibromoethane (EDB)	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
Dibromomethane	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
1,2-Dichlorobenzene	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
1,3-Dichlorobenzene	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
1,4-Dichlorobenzene	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
Dichlorodifluoromethane	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
1,1-Dichloroethane	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
1,2-Dichloroethane	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
1,1-Dichloroethene	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
cis-1,2-Dichloroethene	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
trans-1,2-Dichloroethene	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
1,2-Dichloropropane	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
1,3-Dichloropropane	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
2,2-Dichloropropane	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
1,1-Dichloropropene	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
Ethylbenzene	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
Hexachlorobutadiene	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
Isopropylbenzene	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
p-Isopropyltoluene	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
Methylene chloride	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
n-Propylbenzene	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
Styrene	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
1,1,1,2-Tetrachloroethane	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
1,1,2,2-Tetrachloroethane	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
Tetrachloroethene	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
Toluene	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
1,2,3-Trichlorobenzene	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
1,2,4-Trichlorobenzene	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
1,1,1-Trichloroethane	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
1,1,2-Trichloroethane	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
Trichloroethene	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
Trichlorofluoromethane	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
1,2,3-Trichloropropane	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
Vinyl acetate	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
Vinyl chloride	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
m+p-Xylenes	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
o-Xylene	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
Xylenes, Total	ND	1ug/L		1.0		SW8260B	02/20/07 16:43 / ebd
Surr: 1,2-Dichloroethane-d4	97.4	%REC			70-130	SW8260B	02/20/07 16:43 / ebd
Surr: Dibromofluoromethane	102	%REC			77-128	SW8260B	02/20/07 16:43 / ebd
Surr: p-Bromofluorobenzene	97.5	%REC			78-127	SW8260B	02/20/07 16:43 / ebd
Surr: Toluene-d8	97.0	%REC			79-122	SW8260B	02/20/07 16:43 / ebd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 03/28/07
Work Order: B07031876

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R91328
Sample ID: lcs032607	Laboratory Control Sample				Run: SV5972.I_070326A				03/26/07 12:39
Acetone	32.9	ug/L	20	66	62	130			
Acetonitrile	48.0	ug/L	20	96	54	142			
Acrolein	49.6	ug/L	20	99	22	203			
Acrylonitrile	48.4	ug/L	20	97	60	130			
Benzene	4.52	ug/L	1.0	90	71	133			
Bromochloromethane	4.68	ug/L	1.0	94	68	131			
Bromodichloromethane	5.00	ug/L	1.0	100	67	138			
Bromoform	5.00	ug/L	1.0	100	64	136			
Bromomethane	5.04	ug/L	1.0	101	60	138			
Carbon disulfide	4.36	ug/L	1.0	87	46	145			
Carbon tetrachloride	4.72	ug/L	1.0	94	61	144			
Chlorobenzene	4.56	ug/L	1.0	91	78	136			
Chlorodibromomethane	4.92	ug/L	1.0	98	72	136			
Chloroethane	4.80	ug/L	1.0	96	64	136			
Chloroform	4.52	ug/L	1.0	90	69	133			
Chloromethane	5.16	ug/L	1.0	103	63	149			
1,2-Dibromo-3-chloropropane	5.04	ug/L	1.0	101	63	125			
1,2-Dibromoethane	4.76	ug/L	1.0	95	75	131			
Dibromomethane	4.80	ug/L	1.0	96	72	133			
1,2-Dichlorobenzene	4.48	ug/L	1.0	90	78	129			
1,3-Dichlorobenzene	4.48	ug/L	1.0	90	79	132			
1,4-Dichlorobenzene	4.48	ug/L	1.0	90	78	131			
trans-1,4-Dichloro-2-butene	5.12	ug/L	1.0	102	50	142			
Dichlorodifluoromethane	5.32	ug/L	1.0	106	55	141			
1,1-Dichloroethane	4.56	ug/L	1.0	91	72	130			
1,2-Dichloroethane	4.48	ug/L	1.0	90	57	146			
1,1-Dichloroethene	4.60	ug/L	1.0	92	66	142			
cis-1,2-Dichloroethene	4.60	ug/L	1.0	92	74	133			
trans-1,2-Dichloroethene	4.60	ug/L	1.0	92	76	138			
1,2-Dichloropropane	4.64	ug/L	1.0	93	72	135			
1,3-Dichloropropane	4.72	ug/L	1.0	94	75	134			
2,2-Dichloropropane	4.52	ug/L	1.0	90	42	167			
1,1-Dichloropropene	4.48	ug/L	1.0	90	72	140			
cis-1,3-Dichloropropene	4.72	ug/L	1.0	94	75	132			
trans-1,3-Dichloropropene	4.40	ug/L	1.0	88	77	145			
Ethylbenzene	4.68	ug/L	1.0	94	78	131			
Ethyl methacrylate	5.00	ug/L	1.0	100	54	133			
Hexachlorobutadiene	4.80	ug/L	1.0	96	65	141			
2-Hexanone	46.4	ug/L	20	93	72	131			
Iodomethane	5.60	ug/L	1.0	112	66	132			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

GC/QC Summary Report

Client: Bute Silver Box Fields Wines Dept
Project: Oil Lamps

Report Date: 02/29/07
Work Order: B0702167

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPD Limit	Qual
Method: SW8260B									Batch: B0702
Sample ID: 1ug/ml									02/28/07 12:38
				Calibration Check Standard			Run: BV5972_070228A		
Acetone	32.6	ug/L	20	65	60	140			
Acetonitrile	46.0	ug/L	20	92	50	150			
Acrolein	46.5	ug/L	20	93	50	150			
Acrylonitrile	46.4	ug/L	20	93	50	150			
Benzene	1.52	ug/L	1.0	90	71	125			
Bromodichloromethane	1.68	ug/L	1.0	94	66	131			
Bromodichloromethane	1.90	ug/L	1.0	100	67	138			
Bromoform	1.90	ug/L	1.0	100	64	130			
Bromomethane	2.04	ug/L	1.0	101	60	139			
Carbon disulfide	1.38	ug/L	1.0	87	46	143			
Carbon tetrachloride	1.72	ug/L	1.0	94	64	144			
Chlorobenzene	1.66	ug/L	1.0	91	72	136			
Chlorodibromomethane	1.82	ug/L	1.0	90	72	129			
Chloroethane	1.80	ug/L	1.0	89	56	139			
Chloroform	1.82	ug/L	1.0	90	66	133			
Chloromethane	2.10	ug/L	1.0	102	61	143			
1,2-Dibromo-3-chloropropane	2.04	ug/L	1.0	101	55	125			
1,2-Dichlorobenzene	1.76	ug/L	1.0	88	72	131			
Dichlorodifluoromethane	1.80	ug/L	1.0	90	72	133			
1,2-Dichloroethane	1.83	ug/L	1.0	91	73	129			
1,2-Dichloroethane	1.82	ug/L	1.0	90	72	132			
1,2-Dichloroethane	1.83	ug/L	1.0	90	73	131			
1,1-Dichloroethene	2.12	ug/L	1.0	102	50	142			
trans-1,2-Dichloroethene	2.02	ug/L	1.0	100	55	143			
1,1-Dichloroethane	1.80	ug/L	1.0	91	72	130			
1,2-Dichloropropane	1.88	ug/L	1.0	93	67	140			
1,1-Dichloropropene	1.80	ug/L	1.0	90	56	142			
cis-1,2-Dichloroethene	1.80	ug/L	1.0	90	74	133			
trans-1,3-Dichloropropene	1.66	ug/L	1.0	83	70	138			
1,2-Dichloropropane	1.84	ug/L	1.0	92	72	139			
1,3-Dichloropropane	1.72	ug/L	1.0	86	75	134			
2,2-Dichloropropane	1.62	ug/L	1.0	80	42	167			
1,1-Dichloropropene	1.68	ug/L	1.0	83	72	142			
cis-1,3-Dichloropropene	1.72	ug/L	1.0	86	75	132			
trans-1,3-Dichloropropene	1.81	ug/L	1.0	90	72	143			
Ethylbenzene	1.68	ug/L	1.0	84	74	131			
Ethyl methacrylate	1.60	ug/L	1.0	80	54	133			
Hexachlorobutadiene	1.82	ug/L	1.0	91	65	141			
2-Hexanone	1.64	ug/L	2.0	82	72	131			
Isobutanol	2.30	ug/L	1.0	115	58	132			

Qualifiers:
RL - Analyte reporting limit.
ND - not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 03/28/07
Work Order: B07031876

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R91328
Sample ID: lcs032607	Laboratory Control Sample				Run: SV5972.I_070326A				03/26/07 12:39
Methacrylonitrile	46.8	ug/L	20	94	68	122			
Methyl ethyl ketone	40.0	ug/L	20	80	55	145			
Methyl isobutyl ketone	45.6	ug/L	20	91	73	129			
Methyl methacrylate	4.96	ug/L	1.0	99	77	113			
Methylene chloride	4.40	ug/L	1.0	88	73	126			
Naphthalene	4.88	ug/L	1.0	98	55	139			
Propionitrile	48.0	ug/L	20	96	52	143			
Styrene	4.64	ug/L	1.0	93	76	134			
1,1,1,2-Tetrachloroethane	4.72	ug/L	1.0	94	75	135			
1,1,2,2-Tetrachloroethane	4.44	ug/L	1.0	89	72	132			
Tetrachloroethene	4.72	ug/L	1.0	94	78	137			
Toluene	4.60	ug/L	1.0	92	78	134			
1,2,4-Trichlorobenzene	4.92	ug/L	1.0	98	58	142			
1,1,1-Trichloroethane	4.56	ug/L	1.0	91	64	141			
1,1,2-Trichloroethane	4.76	ug/L	1.0	95	72	133			
Trichloroethene	4.60	ug/L	1.0	92	75	138			
Trichlorofluoromethane	4.52	ug/L	1.0	90	58	139			
1,2,3-Trichloropropane	5.04	ug/L	1.0	101	67	133			
Vinyl acetate	4.48	ug/L	1.0	90	31	124			
Vinyl chloride	4.52	ug/L	1.0	90	66	140			
m+p-Xylenes	9.28	ug/L	1.0	93	78	133			
o-Xylene	4.52	ug/L	1.0	90	79	136			
Surr: 1,2-Dichloroethane-d4			1.0	95	70	130			
Surr: Dibromofluoromethane			1.0	99	77	126			
Surr: p-Bromofluorobenzene			1.0	98	76	127			
Surr: Toluene-d8			1.0	97	79	122			
Sample ID: lcsa032607	Laboratory Control Sample				Run: SV5972.I_070326A				03/26/07 13:07
Allyl chloride	4.52	ug/L	1.0	90	68	126			
Chloroprene	5.16	ug/L	1.0	103	68	120			
Isobutanol	123	ug/L	50	98	71	137			
Pentachloroethane	4.68	ug/L	1.0	94	42	135			
Surr: 1,2-Dichloroethane-d4			1.0	99	70	130			
Surr: Dibromofluoromethane			1.0	102	77	126			
Surr: p-Bromofluorobenzene			1.0	96	76	127			
Surr: Toluene-d8			1.0	96	79	122			
Sample ID: blk032607	Method Blank				Run: SV5972.I_070326A				03/26/07 13:35
Acetone	ND	ug/L	20						
Acetonitrile	ND	ug/L	20						
Acrolein	ND	ug/L	20						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept.
Project: Old Landfill

Report Date: 02/28/07
Work Order: B0703181

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R61239
Sample ID: mb-R61239		Laboratory Control Sample				Run: SV5972L1_070228A			02/28/07 12:30
Methylene chloride	15.4	ug/L	20	96	68	122			
Methyl ethyl ketone	40.0	ug/L	20	80	52	143			
Methyl isobutyl ketone	46.8	ug/L	20	91	73	129			
Methyl mercaptan	4.55	ug/L	1.0	90	77	113			
Methyl vinyl ether	4.40	ug/L	1.0	88	73	124			
Propionitrile	4.85	ug/L	1.0	97	67	136			
Propylene oxide	46.3	ug/L	20	93	52	143			
Styrene	4.54	ug/L	1.0	91	70	131			
1,1,1,2-Tetrachloroethane	4.73	ug/L	1.0	94	73	128			
1,1,2,2-Tetrachloroethane	4.44	ug/L	1.0	89	72	132			
Tetrachloroethene	4.72	ug/L	1.0	94	78	127			
Toluene	4.60	ug/L	1.0	92	78	124			
2,3,4-Trichlorobutene	4.62	ug/L	1.0	93	68	142			
1,1,1-Trichloroethane	4.60	ug/L	1.0	92	67	147			
1,1,2-Trichloroethane	4.76	ug/L	1.0	95	72	133			
Trichloroethene	4.60	ug/L	1.0	92	75	128			
Trichlorofluoromethane	4.32	ug/L	1.0	86	58	140			
1,2,3-Trichloropropane	5.04	ug/L	1.0	101	62	134			
Vinyl acetate	4.46	ug/L	1.0	89	41	134			
Vinyl chloride	4.52	ug/L	1.0	90	60	140			
m+p-Xylenes	9.24	ug/L	1.0	92	78	132			
o-Xylene	4.52	ug/L	1.0	90	79	130			
Surr: 1,2-Dichloroethane-d4			1.0	95	75	130			
Surr: Dibromofluoromethane			1.0	99	77	129			
Surr: p-Bromofluorobenzene			1.0	98	76	127			
Surr: Toluene-d8			1.0	97	79	122			
Sample ID: lcs-R61239		Laboratory Control Sample				Run: SV5972L1_070228A			02/28/07 12:07
Allyl chloride	4.23	ug/L	1.0	85	64	128			
Chloroprene	5.08	ug/L	1.0	102	63	130			
Isobutanol	122	ug/L	20	98	71	137			
Methacrylonitrile	4.68	ug/L	1.0	94	42	133			
Surr: 1,2-Dichloroethane-d4			1.0	96	75	130			
Surr: Dibromofluoromethane			1.0	102	77	129			
Surr: p-Bromofluorobenzene			1.0	99	76	127			
Surr: Toluene-d8			1.0	99	79	122			
Sample ID: lcsd-R61239		Matrix Spike				Run: SV5972L1_070228A			02/28/07 13:30
Acetone	ND	ug/L	20						
Acrolein-d3	ND	ug/L	20						
Acrolein	ND	ug/L	20						

Qualifiers:
RL - Analyte reporting limit.
MDC - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 03/28/07
Work Order: B07031876

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R91328
Sample ID: blk032607	Method Blank				Run: SV5972.I_070326A				03/26/07 13:35
Acrylonitrile	ND	ug/L	20						
Allyl chloride	ND	ug/L	1.0						
Benzene	ND	ug/L	1.0						
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
Carbon disulfide	ND	ug/L	1.0						
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
Chloroprene	ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
1,2-Dibromoethane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						
1,2-Dichlorobenzene	ND	ug/L	1.0						
1,3-Dichlorobenzene	ND	ug/L	1.0						
1,4-Dichlorobenzene	ND	ug/L	1.0						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0						
Dichlorodifluoromethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						
1,2-Dichloroethane	ND	ug/L	1.0						
1,1-Dichloroethene	ND	ug/L	1.0						
cis-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						
1,2-Dichloropropane	ND	ug/L	1.0						
1,3-Dichloropropane	ND	ug/L	1.0						
2,2-Dichloropropane	ND	ug/L	1.0						
1,1-Dichloropropene	ND	ug/L	1.0						
cis-1,3-Dichloropropene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						
Ethylbenzene	ND	ug/L	1.0						
Ethyl methacrylate	ND	ug/L	1.0						
Hexachlorobutadiene	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						
Iodomethane	ND	ug/L	1.0						
Isobutanol	ND	ug/L	50						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

GA/QC Summary Report

Client: Bella Silver Box Public Works Dept.
Project: Old Landfill

Report Date: 02/06/07
Week Ending: 20/01/1976

Analyte	Result	Units	RL	MRED Low Limit	High Limit	RPD	RPD Limit	Qual
Method: SW8260								
Sample ID: 0701121-07		Matrix: Solid				Run: SV5891	070206	1626
Acrylonitrile	ND	ug/L	20					
Allyl chloride	ND	ug/L	1.0					
Benzene	ND	ug/L	1.0					
Bromochloromethane	ND	ug/L	1.0					
Bromodichloromethane	ND	ug/L	1.0					
Bromoform	ND	ug/L	1.0					
Bromomethane	ND	ug/L	1.0					
Carbon disulfide	ND	ug/L	2.0					
Carbon tetrachloride	ND	ug/L	1.0					
Chlorobenzene	ND	ug/L	1.0					
Chlorodibromomethane	ND	ug/L	1.0					
Chloroethane	ND	ug/L	1.0					
Chloroform	ND	ug/L	1.0					
Chloromethane	ND	ug/L	1.0					
Chloroprene	ND	ug/L	1.0					
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0					
1,2-Dibromoethane	ND	ug/L	1.0					
Dibromomethane	ND	ug/L	2.0					
1,2-Dichlorobenzene	ND	ug/L	1.0					
1,3-Dichlorobenzene	ND	ug/L	1.0					
1,4-Dichlorobenzene	ND	ug/L	1.0					
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0					
Dichlorodifluoromethane	ND	ug/L	1.0					
1,1-Dichloroethane	ND	ug/L	1.0					
1,2-Dichloroethane	ND	ug/L	1.0					
1,1-Dichloroethene	ND	ug/L	1.0					
cis-1,2-Dichloroethene	ND	ug/L	1.0					
trans-1,2-Dichloroethene	ND	ug/L	1.0					
1,2-Dichloropropane	ND	ug/L	1.0					
1,3-Dichloropropane	ND	ug/L	1.0					
2,2-Dichloropropane	ND	ug/L	1.0					
1,1-Dichloropropene	ND	ug/L	1.0					
cis-1,3-Dichloropropene	ND	ug/L	1.0					
trans-1,3-Dichloropropene	ND	ug/L	1.0					
Diethylether	ND	ug/L	1.0					
Ethyl methacrylate	ND	ug/L	1.0					
Hexachlorobutadiene	ND	ug/L	1.0					
2-Hexanone	ND	ug/L	20					
Iodomethane	ND	ug/L	1.0					
Isobutanol	ND	ug/L	50					

Qualifiers:
RL - Analyte reporting limit.
MD - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 03/28/07
Work Order: B07031876

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R91328
Sample ID: blk032607	Method Blank				Run: SV5972.I_070326A				03/26/07 13:35
Methacrylonitrile	ND	ug/L	20						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methyl methacrylate	ND	ug/L	1.0						
Methylene chloride	ND	ug/L	1.0						
Naphthalene	ND	ug/L	1.0						
Pentachloroethane	ND	ug/L	1.0						
Propionitrile	ND	ug/L	20						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,2,4-Trichlorobenzene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Xylenes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	96	70	130			
Surr: Dibromofluoromethane			1.0	100	77	126			
Surr: p-Bromofluorobenzene			1.0	95	76	127			
Surr: Toluene-d8			1.0	96	79	122			
Sample ID: B07031876-001Dms	Sample Matrix Spike				Run: SV5972.I_070326A				03/26/07 18:13
Acetone	78.8	ug/L	40	79	62	130			
Acetonitrile	101	ug/L	40	101	54	142			
Acrolein	101	ug/L	40	101	22	203			
Acrylonitrile	92.0	ug/L	40	92	60	130			
Benzene	8.72	ug/L	2.0	87	71	133			
Bromochloromethane	9.04	ug/L	2.0	90	68	131			
Bromodichloromethane	9.68	ug/L	2.0	97	67	138			
Bromoform	9.60	ug/L	2.0	96	64	136			
Bromomethane	9.36	ug/L	2.0	94	60	138			
Carbon disulfide	8.08	ug/L	2.0	81	46	146			
Carbon tetrachloride	8.96	ug/L	2.0	90	61	144			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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GC/MS Summary Report

Client: Bulls Eye Bow Pulse Works Dept
Project: Old Lando

Report Date: 02/28/07
Work Order: 0702218

Analyte	Result	Units	RL	MRBC Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B								Run: 0W1329B
Sample ID: 1mb02280			Method Blank				Run: 8V0872_070228A	02/28/07 13:36
Methylene chloride	ND	ug/L	20					
Methyl ethyl ketone	ND	ug/L	20					
Methyl isobutyl ketone	ND	ug/L	20					
Methyl methacrylate	ND	ug/L	1.0					
Methyl acrylate	ND	ug/L	1.0					
Acrylonitrile	ND	ug/L	1.0					
Trichlorofluoromethane	ND	ug/L	1.0					
Propylene oxide	ND	ug/L	20					
Dioxane	ND	ug/L	1.0					
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0					
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0					
Tetrachloroethene	ND	ug/L	1.0					
Toluene	ND	ug/L	1.0					
1,2,4-Trichlorobenzene	ND	ug/L	1.0					
1,1,1-Trichloroethane	ND	ug/L	1.0					
1,1,2-Trichloroethane	ND	ug/L	1.0					
Trichloroethene	ND	ug/L	1.0					
Trichlorofluoromethane	ND	ug/L	1.0					
1,2,3-Trichloropropane	ND	ug/L	1.0					
Vinyl acetate	ND	ug/L	1.0					
Vinyl chloride	ND	ug/L	1.0					
m+p-Xylenes	ND	ug/L	1.0					
o-Xylene	ND	ug/L	1.0					
Xylenes, Total	ND	ug/L	1.0					
Surr: 1,2-Dichloroethane-D4			1.0	80	120			
Surr: Dibromofluoromethane			1.0	102	120			
Surr: p-Bromofluorobenzene			1.0	98	120			
Surr: Toluene-d8			1.0	98	120			
Sample ID: 0702218TS-02 Cmb			Sample Matrix Spike				Run: 8V0872_070228A	02/28/07 16:12
Acetone	75.6	ug/L	40	70	130			
Acetonitrile	101	ug/L	40	101	130			
Acrolein	107	ug/L	40	101	130			
Acrylonitrile	92.7	ug/L	40	92	130			
Benzene	8.72	ug/L	2.0	87	130			
Bromobenzene	9.04	ug/L	2.0	90	130			
Bromochloromethane	9.03	ug/L	2.0	90	130			
Bromodichloromethane	8.88	ug/L	2.0	90	130			
Bromoform	8.98	ug/L	2.0	90	130			
Bromomethane	8.48	ug/L	2.0	85	130			
Carbon disulfide	8.48	ug/L	2.0	85	130			
Carbon tetrachloride	8.66	ug/L	2.0	87	130			

Qualifiers:
RL - Analyte reporting limit
ND - Not detected at the reporting limit

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 03/28/07
Work Order: B07031876

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R91328
Sample ID: B07031876-001Dms	Sample Matrix Spike				Run: SV5972.I_070326A				03/26/07 18:13
Chlorobenzene	8.80	ug/L	2.0	88	78	136			
Chlorodibromomethane	9.44	ug/L	2.0	94	72	136			
Chloroethane	8.96	ug/L	2.0	90	64	136			
Chloroform	8.96	ug/L	2.0	85	69	133			
Chloromethane	9.60	ug/L	2.0	96	63	149			
1,2-Dibromo-3-chloropropane	9.44	ug/L	2.0	94	63	125			
1,2-Dibromoethane	9.28	ug/L	2.0	93	75	131			
Dibromomethane	9.20	ug/L	2.0	92	72	133			
1,2-Dichlorobenzene	8.80	ug/L	2.0	88	78	129			
1,3-Dichlorobenzene	8.88	ug/L	2.0	89	79	132			
1,4-Dichlorobenzene	8.72	ug/L	2.0	87	78	132			
trans-1,4-Dichloro-2-butene	10.6	ug/L	2.0	106	50	142			
Dichlorodifluoromethane	10.7	ug/L	2.0	107	55	141			
1,1-Dichloroethane	8.56	ug/L	2.0	86	72	130			
1,2-Dichloroethane	8.56	ug/L	2.0	86	57	146			
1,1-Dichloroethene	8.80	ug/L	2.0	88	66	142			
cis-1,2-Dichloroethene	8.80	ug/L	2.0	88	74	133			
trans-1,2-Dichloroethene	8.64	ug/L	2.0	86	76	138			
1,2-Dichloropropane	9.20	ug/L	2.0	92	72	135			
1,3-Dichloropropane	9.12	ug/L	2.0	91	75	134			
2,2-Dichloropropane	8.96	ug/L	2.0	90	42	167			
1,1-Dichloropropene	8.56	ug/L	2.0	86	72	140			
cis-1,3-Dichloropropene	8.88	ug/L	2.0	89	75	132			
trans-1,3-Dichloropropene	8.40	ug/L	2.0	84	77	145			
Ethylbenzene	9.04	ug/L	2.0	90	78	131			
Ethyl methacrylate	9.76	ug/L	2.0	98	54	133			
Hexachlorobutadiene	9.52	ug/L	2.0	95	65	141			
2-Hexanone	88.8	ug/L	40	89	72	131			
Iodomethane	10.7	ug/L	2.0	107	66	132			
Methacrylonitrile	91.2	ug/L	40	91	36	193			
Methyl ethyl ketone	82.4	ug/L	40	82	55	145			
Methyl isobutyl ketone	85.6	ug/L	40	86	73	129			
Methyl methacrylate	9.60	ug/L	2.0	96	77	120			
Methylene chloride	8.32	ug/L	2.0	83	73	126			
Naphthalene	9.60	ug/L	2.0	96	55	139			
Propionitrile	98.4	ug/L	40	98	52	143			
Styrene	8.32	ug/L	2.0	83	76	134			
1,1,1,2-Tetrachloroethane	8.80	ug/L	2.0	88	75	135			
1,1,2,2-Tetrachloroethane	9.04	ug/L	2.0	90	72	132			
Tetrachloroethene	9.12	ug/L	2.0	91	78	137			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Battle Silver Bow Public Works Dept.
Project: Old Landfill

Report Date: 03/28/07
Work Order: 8D1031929

Analyte	Result	Units	RL	MDEC	Low Limit	High Limit	RPD	RPD Limit	Date
Matrix: SW8260B									Batch: F81320
Sample ID: 8D1031929-07ms				Semi-Volatile Matrix Spike			Run: SV5972L_070328A		03/28/07 16:13
Chlorobenzene	8.58	ug/L	2.0	86	78	136			
Chlorodibromomethane	8.44	ug/L	2.0	84	74	136			
Chloroethane	8.06	ug/L	2.0	80	64	142			
Chloroform	8.36	ug/L	2.0	84	69	132			
Chloromethane	8.05	ug/L	2.0	80	53	140			
1,2-Dibromo-3-chloropropane	8.44	ug/L	2.0	84	63	129			
1,2-Dichlorobenzene	8.28	ug/L	2.0	83	73	134			
Dichlorodifluoromethane	8.20	ug/L	2.0	82	72	139			
1,2-Dichloroethane	8.80	ug/L	2.0	88	72	139			
1,3-Dichlorobenzene	8.28	ug/L	2.0	82	70	132			
1,4-Dichlorobenzene	8.72	ug/L	2.0	87	78	132			
trans-1,4-Dichloro-2-butene	10.5	ug/L	2.0	105	50	142			
Dichlorodifluoromethane	10.7	ug/L	2.0	107	56	141			
1,1-Dichloroethane	8.59	ug/L	2.0	86	72	130			
1,2-Dichloroethane	8.92	ug/L	2.0	89	67	144			
1,1-Dichloroethene	8.00	ug/L	2.0	80	66	142			
cis-1,2-Dichloroethene	8.20	ug/L	2.0	82	74	132			
trans-1,2-Dichloroethene	8.04	ug/L	2.0	80	72	138			
1,2-Dichloropropane	8.70	ug/L	2.0	87	72	136			
1,3-Dichloropropane	8.72	ug/L	2.0	87	72	134			
2,2-Dichloropropane	8.94	ug/L	2.0	90	42	167			
1,1-Dichloropropene	8.58	ug/L	2.0	86	72	140			
cis-1,3-Dichloropropene	8.68	ug/L	2.0	86	75	132			
trans-1,3-Dichloropropene	8.40	ug/L	2.0	84	77	145			
Ethylbenzene	9.04	ug/L	2.0	90	78	134			
Ethyl methacrylate	8.76	ug/L	2.0	88	64	125			
Hexachlorobutadiene	9.52	ug/L	2.0	95	65	137			
2-Hexanone	8.12	ug/L	40	81	72	131			
Isobutanol	10.7	ug/L	2.0	107	66	132			
Methacrylonitrile	9.12	ug/L	40	91	56	163			
Methyl ethyl ketone	8.4	ug/L	40	84	70	145			
Methyl isobutyl ketone	8.6	ug/L	40	86	73	129			
Methyl methacrylate	8.80	ug/L	2.0	88	77	120			
Methylene chloride	8.32	ug/L	2.0	83	73	130			
Naphthalene	8.60	ug/L	2.0	86	56	130			
Propionitrile	10.4	ug/L	40	98	56	143			
Styrene	8.32	ug/L	2.0	83	73	134			
1,1,1,2-Tetrachloroethane	8.80	ug/L	2.0	88	73	136			
1,1,2,2-Tetrachloroethane	8.04	ug/L	2.0	80	72	132			
Tetrachloroethene	8.12	ug/L	2.0	81	71	137			

Qualifiers:
RL - Analyte reporting limit.

MDL - Method detection limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 03/28/07
Work Order: B07031876

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R91328
Sample ID: B07031876-001Dms	Sample Matrix Spike				Run: SV5972.I_070326A				03/26/07 18:13
Toluene	8.96	ug/L	2.0	90	78	134			
1,2,4-Trichlorobenzene	9.44	ug/L	2.0	94	58	142			
1,1,1-Trichloroethane	8.80	ug/L	2.0	88	64	141			
1,1,2-Trichloroethane	9.28	ug/L	2.0	93	72	133			
Trichloroethene	8.88	ug/L	2.0	89	75	138			
Trichlorofluoromethane	8.72	ug/L	2.0	87	58	139			
1,2,3-Trichloropropane	10.2	ug/L	2.0	102	67	133			
Vinyl acetate	8.80	ug/L	2.0	88	31	124			
Vinyl chloride	8.48	ug/L	2.0	85	66	140			
m+p-Xylenes	17.9	ug/L	2.0	90	78	133			
o-Xylene	8.64	ug/L	2.0	86	79	136			
Surr: 1,2-Dichloroethane-d4			2.0	98	70	130			
Surr: Dibromofluoromethane			2.0	100	77	126			
Surr: p-Bromofluorobenzene			2.0	101	76	127			
Surr: Toluene-d8			2.0	98	79	122			
Sample ID: B07031876-001Dmsd	Sample Matrix Spike Duplicate				Run: SV5972.I_070326A				03/26/07 18:41
Acetone	77.5	ug/L	40	78	62	130	1.6	20	
Acetonitrile	100	ug/L	40	100	54	142	0.8	20	
Acrolein	100	ug/L	40	100	22	203	0.8	20	
Acrylonitrile	89.6	ug/L	40	90	60	130	2.6	20	
Benzene	9.20	ug/L	2.0	92	71	133	5.4	20	
Bromochloromethane	9.60	ug/L	2.0	96	68	131	6.0	20	
Bromodichloromethane	10.2	ug/L	2.0	102	67	138	5.6	20	
Bromoform	10.2	ug/L	2.0	102	64	136	5.7	20	
Bromomethane	9.44	ug/L	2.0	94	60	138	0.9	20	
Carbon disulfide	8.16	ug/L	2.0	82	46	146	1.0	20	
Carbon tetrachloride	9.60	ug/L	2.0	96	61	144	6.9	20	
Chlorobenzene	9.36	ug/L	2.0	94	78	136	6.2	20	
Chlorodibromomethane	10.1	ug/L	2.0	101	72	136	6.6	20	
Chloroethane	8.72	ug/L	2.0	87	64	136	2.7	20	
Chloroform	9.52	ug/L	2.0	91	69	133	6.1	20	
Chloromethane	9.36	ug/L	2.0	94	63	149	2.5	20	
1,2-Dibromo-3-chloropropane	9.52	ug/L	2.0	95	63	125	0.8	20	
1,2-Dibromoethane	9.92	ug/L	2.0	99	75	131	6.7	20	
Dibromomethane	9.84	ug/L	2.0	98	72	133	6.7	20	
1,2-Dichlorobenzene	9.20	ug/L	2.0	92	78	129	4.4	20	
1,3-Dichlorobenzene	9.28	ug/L	2.0	93	79	132	4.4	20	
1,4-Dichlorobenzene	9.28	ug/L	2.0	93	78	132	6.2	20	
trans-1,4-Dichloro-2-butene	10.9	ug/L	2.0	109	50	142	2.2	20	
Dichlorodifluoromethane	10.4	ug/L	2.0	104	55	141	3.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Pacific Silver Bay Public Works Dept

Project: Old Landfill

Report Date: 2026/07/7

Work Order: 8D7024187D

Analyte	Result	Units	RL	%RSD	Low Limit	High Limit	RPD	RPD Limit	Date
Matrix: SWM26-03									Date: 8/17/23
Analyte ID: 8D7024187D-01 Dna	Sample Name Sb-6					Run: SV8072_07202A			07/20/07 16:18
Toluene	0.85	ug/L	2.0	90	75	74			
1,2,4-Trichlorobenzene	0.46	ug/L	2.0	84	58	143			
1,1,1-Trichloroethane	0.50	ug/L	2.0	88	53	141			
1,1,2-Trichloroethane	0.59	ug/L	2.0	90	72	143			
Trichloroethene	0.88	ug/L	2.0	98	73	136			
Trichlorofluoromethane	0.72	ug/L	2.0	87	56	133			
1,2,3-Trichloropropane	10.2	ug/L	2.0	103	87	133			
Vinyl chloride	0.80	ug/L	-2.0	88	24	134			
Vinyl acetate	6.48	ug/L	2.0	85	65	130			
m+p-Xylenes	17.9	ug/L	2.0	90	78	133			
o-Xylene	2.64	ug/L	2.0	100	75	138			
Surr: 4-Bromofluorobenzene			2.0	93	70	130			
Surr: Dibromofluoromethane			2.0	100	77	139			
Surr: p-Bromofluorobenzene			2.0	104	70	132			
Surr: Toluene-d8			2.0	95	70	130			
Analyte ID: 8D7024187D-02 Dna	Sample Name Sb-6 Duplicate					Run: SV8072_07202A			07/20/07 16:47
Acetone	27.8	ug/L	40	78	30	130	1.8	25	
Acrylonitrile	19.0	ug/L	40	100	34	142	0.8	30	
Acrolein	110	ug/L	40	110	-22	203	0.8	40	
Acrylamide	19.8	ug/L	40	99	10	130	2.0	30	
Benzene	8.20	ug/L	2.0	82	71	132	5.4	20	
Bromobenzene	8.00	ug/L	2.0	90	56	131	6.0	20	
Bromodichloromethane	10.2	ug/L	2.0	102	67	138	6.6	20	
Bromoform	10.2	ug/L	2.0	102	64	134	5.1	20	
Bromomethane	8.64	ug/L	2.0	91	40	139	0.0	20	
Carbon disulfide	8.18	ug/L	2.0	92	48	142	1.0	20	
Carbon tetrachloride	8.60	ug/L	2.0	96	61	144	0.0	20	
Chlorobenzene	9.30	ug/L	2.0	94	73	136	3.2	20	
Chloroethane	10.1	ug/L	2.0	101	72	132	0.0	20	
Chloroacetonitrile	8.72	ug/L	2.0	87	64	138	0.7	20	
Chloroform	9.22	ug/L	2.0	91	66	132	2.1	20	
Chloromethane	9.38	ug/L	2.0	94	63	139	2.5	20	
Chloroprene	9.30	ug/L	2.0	93	60	135	0.8	20	
1,2-Dibromo-3-chloropropane	9.62	ug/L	2.0	96	52	131	0.7	20	
1,2-Dibromoethane	9.62	ug/L	2.0	96	72	133	0.7	20	
Dibromomethane	9.20	ug/L	2.0	92	68	132	4.4	20	
1,2-Dichlorobenzene	8.78	ug/L	2.0	88	78	132	6.6	20	
1,3-Dichlorobenzene	8.34	ug/L	2.0	83	76	132	6.2	20	
1,4-Dichlorobenzene	10.8	ug/L	2.0	108	80	142	2.3	20	
trans-1,4-Dichloro-2-butene	10.4	ug/L	2.0	104	53	141	3.0	20	
Dichlorodifluoromethane									

Qualifiers:

RL - Analyte reporting limit.

MD - MDL elevated at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 03/28/07
Work Order: B07031876

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B								Batch: R91328	
Sample ID: B07031876-001Dmsd	Sample Matrix Spike Duplicate				Run: SV5972.I_070326A			03/26/07 18:41	
1,1-Dichloroethane	9.12	ug/L	2.0	91	72	130	6.3	20	
1,2-Dichloroethane	8.96	ug/L	2.0	90	57	146	4.6	20	
1,1-Dichloroethene	9.12	ug/L	2.0	91	66	142	3.6	20	
cis-1,2-Dichloroethene	9.52	ug/L	2.0	95	74	133	7.9	20	
trans-1,2-Dichloroethene	9.12	ug/L	2.0	91	76	138	5.4	20	
1,2-Dichloropropane	9.28	ug/L	2.0	93	72	135	0.9	20	
1,3-Dichloropropane	9.60	ug/L	2.0	96	75	134	5.1	20	
2,2-Dichloropropane	9.36	ug/L	2.0	94	42	167	4.4	20	
1,1-Dichloropropene	9.20	ug/L	2.0	92	72	140	7.2	20	
cis-1,3-Dichloropropene	9.52	ug/L	2.0	95	75	132	7.0	20	
trans-1,3-Dichloropropene	8.96	ug/L	2.0	90	77	145	6.5	20	
Ethylbenzene	9.60	ug/L	2.0	96	78	131	6.0	20	
Ethyl methacrylate	9.92	ug/L	2.0	99	54	133	1.6	20	
Hexachlorobutadiene	10.1	ug/L	2.0	101	65	141	5.7	20	
2-Hexanone	88.0	ug/L	40	88	72	131	0.9	20	
Iodomethane	11.0	ug/L	2.0	110	66	132	2.2	20	
Methacrylonitrile	92.8	ug/L	40	93	36	193	1.7	20	
Methyl ethyl ketone	82.4	ug/L	40	82	55	145	0.0	20	
Methyl isobutyl ketone	86.4	ug/L	40	86	73	129	0.9	20	
Methyl methacrylate	9.76	ug/L	2.0	98	77	120	1.7	20	
Methylene chloride	8.72	ug/L	2.0	87	73	126	4.7	20	
Naphthalene	10.2	ug/L	2.0	102	55	139	6.5	20	
Propionitrile	101	ug/L	40	101	52	143	2.4	20	
Styrene	9.04	ug/L	2.0	90	76	134	8.3	20	
1,1,1,2-Tetrachloroethane	9.60	ug/L	2.0	96	75	135	8.7	20	
1,1,2,2-Tetrachloroethane	9.36	ug/L	2.0	94	72	132	3.5	20	
Tetrachloroethene	9.60	ug/L	2.0	96	78	137	5.1	20	
Toluene	9.52	ug/L	2.0	95	78	134	6.1	20	
1,2,4-Trichlorobenzene	10.4	ug/L	2.0	104	58	142	9.7	20	
1,1,1-Trichloroethane	9.36	ug/L	2.0	94	64	141	6.2	20	
1,1,2-Trichloroethane	9.84	ug/L	2.0	98	72	133	5.9	20	
Trichloroethene	9.44	ug/L	2.0	94	75	138	6.1	20	
Trichlorofluoromethane	8.48	ug/L	2.0	85	58	139	2.8	20	
1,2,3-Trichloropropane	10.6	ug/L	2.0	106	67	133	3.8	20	
Vinyl acetate	8.96	ug/L	2.0	90	31	124	1.8	20	
Vinyl chloride	8.24	ug/L	2.0	82	66	140	2.9	20	
m+p-Xylenes	18.8	ug/L	2.0	94	78	133	4.8	20	
o-Xylene	9.20	ug/L	2.0	92	79	136	6.3	20	
Surr: 1,2-Dichloroethane-d4			2.0	96	70	130			
Surr: Dibromofluoromethane			2.0	99	77	126			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Blue Ridge Data Analysis Dept
Project: Oil Lab001

Report Date: 03/17/07
Work Order: B0703187S

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPD Limit	Qual
Batch ID: 3/13/2007									Batch: R97232
Sample ID: B0703187S-04 (Total)		Sample Name Dyes Duplicate				Run: 3V5972L_070323A			03/23/07 18:41
1,1-Dichloroethane	0.17	ug/L	2.0	81	72	132	0.5	20	
1,2-Dichloroethane	0.06	ug/L	2.0	50	67	146	4.5	20	
1,2-Dichloropropane	0.12	ug/L	2.0	47	65	142	3.6	20	
1,4-1,2-Dichlorobenzene	0.20	ug/L	2.0	50	74	143	2.9	20	
2-Butanone (MEK)	0.12	ug/L	2.0	61	66	136	2.4	20	
2-Chloroethylvinylether	0.29	ug/L	2.0	60	72	136	0.0	20	
2-Hexanone	0.60	ug/L	2.0	30	75	134	3.1	20	
4-Methyl-2-pentanone	0.35	ug/L	2.0	34	42	137	4.4	20	
Acetone	0.20	ug/L	2.0	82	72	140	7.2	20	
Benzene	0.32	ug/L	2.0	36	70	142	2.0	20	
Bromodichloromethane	0.60	ug/L	2.0	100	77	144	0.0	20	
Bromoform	0.60	ug/L	2.0	58	75	131	8.0	20	
Bromomethane	0.32	ug/L	2.0	80	56	133	1.8	20	
Carbon disulfide	0.1	ug/L	2.0	101	58	147	0.7	20	
Carbon tetrachloride	0.50	ug/L	2.0	81	72	137	0.5	20	
Chloroform	1.0	ug/L	2.0	118	80	132	2.2	20	
Chloromethane	0.5	ug/L	2.0	81	64	129	1.7	20	
Dibromochloromethane	0.4	ug/L	2.0	82	65	144	0.0	20	
Ethylbenzene	0.4	ug/L	2.0	83	73	139	0.0	20	
Methylene chloride	0.75	ug/L	2.0	38	77	130	1.7	20	
Styrene	0.72	ug/L	2.0	87	73	135	4.7	20	
Toluene	1.0	ug/L	2.0	102	82	139	8.5	20	
Trichloroethene	1.0	ug/L	2.0	107	82	143	2.4	20	
Xylenes	0.64	ug/L	2.0	90	78	134	8.3	20	
1,1,2,2-Tetrachloroethane	0.80	ug/L	2.0	90	75	136	8.7	20	
1,1,2-Trichloroethane	0.39	ug/L	2.0	81	77	133	3.5	20	
1,1-Dichloroethane	0.60	ug/L	2.0	98	78	137	8.1	20	
1,1-Dichloroethene	0.88	ug/L	2.0	88	78	134	6.1	20	
1,2,4-Trichlorobenzene	10.4	ug/L	2.0	101	82	142	0.7	20	
1,2-Dichlorobenzene	0.35	ug/L	2.0	84	84	141	8.2	20	
1,2-Dichloroethane	0.64	ug/L	2.0	98	76	139	8.0	20	
1,2-Dichloropropane	0.44	ug/L	2.0	84	78	134	8.1	20	
1,3-Dichlorobenzene	6.48	ug/L	2.0	86	82	139	2.6	20	
1,3-Dichloropropene	10.0	ug/L	2.0	106	87	133	3.6	20	
1,4-Dichlorobenzene	0.69	ug/L	2.0	90	81	134	1.8	20	
Vinyl acetate	0.34	ug/L	2.0	82	68	140	2.3	20	
Vinyl chloride	1.8	ug/L	2.0	84	72	133	4.6	20	
m-Xylene	0.20	ug/L	2.0	82	77	138	8.3	20	
Surr: 1,2-Dichlorobenzene-d4			2.0	98	76	130			
Surr: Dibromofluoromethane			2.0	99	77	128			

Qual Flags:
R - Analyte recovery was low

ND - Not detected at the reporting limit

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 03/28/07
Work Order: B07031876

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R91328
Sample ID: B07031876-001Dmsd	Sample Matrix Spike Duplicate				Run: SV5972.I_070326A				03/26/07 18:41
Surr: p-Bromofluorobenzene			2.0	98	76	127			
Surr: Toluene-d8			2.0	98	79	122			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 04/02/07
Work Order: B07031876

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8081A									Batch: 26158
Sample ID: B07031876-001CMT	Sample Matrix Spike				Run: AECD.I_070330A			03/30/07 18:09	
4,4´-DDD	0.864	ug/L	0.050	86	69	125			
4,4´-DDE	0.846	ug/L	0.050	85	52	137			
4,4´-DDT	0.847	ug/L	0.050	85	69	131			
Aldrin	0.626	ug/L	0.050	63	58	111			
alpha-BHC	0.781	ug/L	0.050	78	63	114			
alpha-Chlordane	0.818	ug/L	0.050	82	68	115			
beta-BHC	0.809	ug/L	0.050	81	62	121			
delta-BHC	0.818	ug/L	0.050	82	59	116			
Dieldrin	0.876	ug/L	0.050	88	75	130			
Endosulfan I	0.859	ug/L	0.050	86	62	129			
Endosulfan II	0.973	ug/L	0.050	97	72	124			
Endosulfan sulfate	0.892	ug/L	0.050	89	67	124			
Endrin	0.941	ug/L	0.050	94	62	143			
Endrin aldehyde	0.884	ug/L	0.050	88	50	124			
Endrin ketone	0.882	ug/L	0.050	88	68	134			
gamma-BHC (Lindane)	0.803	ug/L	0.050	80	64	118			
gamma-Chlordane	0.819	ug/L	0.050	82	68	117			
Heptachlor	0.700	ug/L	0.050	70	57	118			
Heptachlor epoxide	0.817	ug/L	0.050	82	70	120			
Methoxychlor	0.771	ug/L	0.050	77	63	137			
Surr: Decachlorobiphenyl			0.050	72	44	119			
Surr: Tetrachloro-m-xylene			0.050	59	40	120			
Sample ID: B07031876-001CDT	Sample Matrix Spike Duplicate				Run: AECD.I_070330A			03/30/07 18:37	
4,4´-DDD	0.857	ug/L	0.050	86	69	125	0.8	40	
4,4´-DDE	0.788	ug/L	0.050	79	52	137	7.1	40	
4,4´-DDT	0.798	ug/L	0.050	80	69	131	6.0	40	
Aldrin	0.614	ug/L	0.050	61	58	111	1.9	40	
alpha-BHC	0.748	ug/L	0.050	75	63	114	4.3	40	
alpha-Chlordane	0.786	ug/L	0.050	79	68	115	4.0	40	
beta-BHC	0.823	ug/L	0.050	82	62	121	1.7	40	
delta-BHC	0.792	ug/L	0.050	79	59	116	3.2	40	
Dieldrin	0.821	ug/L	0.050	82	75	130	6.5	40	
Endosulfan I	0.795	ug/L	0.050	80	62	129	7.7	40	
Endosulfan II	0.918	ug/L	0.050	92	72	124	5.8	40	
Endosulfan sulfate	0.844	ug/L	0.050	84	67	124	5.5	40	
Endrin	0.888	ug/L	0.050	89	62	143	5.8	40	
Endrin aldehyde	0.838	ug/L	0.050	84	50	124	5.3	40	
Endrin ketone	0.835	ug/L	0.050	84	68	134	5.5	40	
gamma-BHC (Lindane)	0.772	ug/L	0.050	77	64	118	3.9	40	
gamma-Chlordane	0.762	ug/L	0.050	76	68	117	7.2	40	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

OC/PC Summary Report

Client: Delta Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 06/07/07
Work Order: B0703187S

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPD Limit	Qual
Method: SW8081A									Basin 23752
Sample ID: B0703187S-001CDT	Sample Type: Spike			Run: ACCO1_070304A					03/20/07 18:00
4,4'-DDD	0.964	ug/L	0.050	96	60	125			
4,4'-DDE	0.848	ug/L	0.050	85	52	127			
4,4'-DDT	0.847	ug/L	0.050	85	59	131			
Aldrin	0.924	ug/L	0.050	92	58	111			
alpha-BHC	0.791	ug/L	0.050	79	63	114			
alpha-Chlordane	0.819	ug/L	0.050	82	58	115			
beta-BHC	0.909	ug/L	0.050	91	62	121			
delta-BHC	0.815	ug/L	0.050	82	59	118			
Dieldrin	0.879	ug/L	0.050	88	73	120			
Endosulfan I	0.859	ug/L	0.050	86	62	120			
Endosulfan II	0.971	ug/L	0.050	97	70	124			
Endosulfan sulfate	0.862	ug/L	0.050	86	67	124			
Endrin	0.941	ug/L	0.050	94	62	143			
Endrin aldehyde	0.884	ug/L	0.050	88	50	124			
Endrin ketone	0.832	ug/L	0.050	83	58	124			
gamma-BHC (Lindane)	0.901	ug/L	0.050	90	63	118			
gamma-Chlordane	0.827	ug/L	0.050	83	58	118			
Heptachlor	0.817	ug/L	0.050	82	58	118			
Heptachlor epoxide	0.829	ug/L	0.050	83	58	120			
Methoxychlor	0.771	ug/L	0.250	77	63	137			
Surr: Decachlorobiphenyl			0.050	72	44	110			
Surr: Tetrachloro-m-xylene			0.050	58	40	120			

Sample ID: B0703187S-001CDT	Sample Type: Spike Matrix Spike Duplicate			Run: ACCO1_070304A					03/20/07 18:37
4,4'-DDD	0.827	ug/L	0.050	83	60	125	0.0	40	
4,4'-DDE	0.775	ug/L	0.050	78	52	127	7.1	40	
4,4'-DDT	0.792	ug/L	0.050	80	59	131	6.0	40	
Aldrin	0.814	ug/L	0.050	81	58	111	1.9	40	
alpha-BHC	0.748	ug/L	0.050	75	63	114	4.3	40	
alpha-Chlordane	0.755	ug/L	0.050	75	58	115	8.0	40	
beta-BHC	0.823	ug/L	0.050	82	62	121	1.7	40	
delta-BHC	0.702	ug/L	0.050	70	59	118	3.2	40	
Dieldrin	0.821	ug/L	0.050	82	73	120	6.9	40	
Endosulfan I	0.785	ug/L	0.050	80	62	120	2.7	40	
Endosulfan II	0.918	ug/L	0.050	92	70	124	5.8	40	
Endosulfan sulfate	0.814	ug/L	0.050	84	67	124	5.9	40	
Endrin	0.888	ug/L	0.050	89	62	143	5.0	40	
Endrin aldehyde	0.834	ug/L	0.050	84	50	124	5.9	40	
Endrin ketone	0.829	ug/L	0.050	83	58	124	0.5	40	
gamma-BHC (Lindane)	0.772	ug/L	0.050	77	63	118	2.0	40	
gamma-Chlordane	0.782	ug/L	0.050	78	58	118	2.4	40	

Qualifiers:
RL - Analyte reporting limit ND - Not detected at the reporting limit

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 04/02/07
Work Order: B07031876

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8081A									Batch: 26158
Sample ID: B07031876-001CDT	Sample Matrix Spike Duplicate				Run: AECD.I_070330A			03/30/07 18:37	
Heptachlor	0.667	ug/L	0.050	67	57	118	4.8	40	
Heptachlor epoxide	0.779	ug/L	0.050	78	70	120	4.8	40	
Methoxychlor	0.725	ug/L	0.050	73	63	137	6.1	40	
Surr: Decachlorobiphenyl			0.050	67	44	119	0.0	40	
Surr: Tetrachloro-m-xylene			0.050	60	40	120	0.0	40	
Sample ID: MB-26158	Method Blank				Run: BECD.I_070328A			03/28/07 13:05	
Isodrin	ND	ug/L	0.050						
Kepone	ND	ug/L	0.10						
Toxaphene	ND	ug/L	5.0						
Surr: Decachlorobiphenyl			0.050	99	44	119			
Surr: Tetrachloro-m-xylene			0.050	79	40	120			
Sample ID: LCS11-26158	Laboratory Control Sample				Run: BECD.I_070328A			03/28/07 14:01	
Isodrin	0.455	ug/L	0.050	91	61	116			
Kepone	0.442	ug/L	0.10	44	10	113			
Surr: Decachlorobiphenyl			0.050	100	44	119			
Surr: Tetrachloro-m-xylene			0.050	73	40	120			
Sample ID: MB-26158	Method Blank				Run: BECD.I_070330A			03/30/07 11:34	
4,4´-DDD	ND	ug/L	0.050						
4,4´-DDE	ND	ug/L	0.050						
4,4´-DDT	ND	ug/L	0.050						
Aldrin	ND	ug/L	0.050						
alpha-BHC	ND	ug/L	0.050						
alpha-Chlordane	ND	ug/L	0.050						
beta-BHC	ND	ug/L	0.050						
delta-BHC	ND	ug/L	0.050						
Dieldrin	ND	ug/L	0.050						
Endosulfan I	ND	ug/L	0.050						
Endosulfan II	ND	ug/L	0.050						
Endosulfan sulfate	ND	ug/L	0.050						
Endrin	ND	ug/L	0.050						
Endrin aldehyde	ND	ug/L	0.050						
Endrin ketone	ND	ug/L	0.050						
gamma-BHC (Lindane)	ND	ug/L	0.050						
gamma-Chlordane	ND	ug/L	0.050						
Heptachlor	ND	ug/L	0.050						
Heptachlor epoxide	ND	ug/L	0.050						
Methoxychlor	ND	ug/L	0.050						
Surr: Decachlorobiphenyl			0.050	112	44	119			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Bute Silver Bow Public Works Dept.
Project: Old Landfill

Report Date: 04/23/07
Work Order: 5D1/03/879

Analyte	Result	Units	RL	MDEC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8021A									Batch: 5V1/58
Sample ID: 5D1/03/879-001CDT	Sample Matrix Spike Duplicate				Run: AEC01_070203A				07/03/07 16:37
Heptachlor	0.262	ug/L	0.050	87	37	118	4.6	40	
Heptachlor epoxide	0.175	ug/L	0.050	70	28	120	4.8	40	
Methoxychlor	0.123	ug/L	0.050	72	33	137	6.1	40	
Surr: Decachlorobiphenyl			0.000	87	44	115	0.0	40	
Surr: Tetrachloro-m-xylene			0.000	70	40	120	0.0	40	
Sample ID: 1E5-3A15A	Method Blank						Run: 5EC01_070203A		07/03/07 13:08
Toxaphene	ND	ug/L	0.500						
Kepone	ND	ug/L	0.10						
Toxaphene	ND	ug/L	5.0						
Surr: Decachlorobiphenyl			0.000	90	44	115			
Surr: Tetrachloro-m-xylene			0.000	79	40	120			
Sample ID: 1E5-3A15A	Laboratory Control Sample						Run: 5EC01_070203A		07/03/07 14:01
Toxaphene	0.455	ug/L	0.500	91	31	115			
Kepone	0.110	ug/L	0.10	11	10	115			
Surr: Decachlorobiphenyl			0.000	100	44	115			
Surr: Tetrachloro-m-xylene			0.000	73	40	120			
Sample ID: 5D1/03/879	Method Blank						Run: 5EC01_070203A		07/03/07 11:34
4,4'-DDD	ND	ug/L	0.050						
4,4'-DDE	ND	ug/L	0.050						
4,4'-DDT	ND	ug/L	0.050						
Aldrin	ND	ug/L	0.050						
alpha-BHC	ND	ug/L	0.050						
alpha-Chlordane	ND	ug/L	0.050						
beta-BHC	ND	ug/L	0.050						
delta-BHC	ND	ug/L	0.050						
Dieldrin	ND	ug/L	0.050						
Endosulfan I	ND	ug/L	0.050						
Endosulfan II	ND	ug/L	0.050						
Endosulfan sulfate	ND	ug/L	0.050						
Endrin	ND	ug/L	0.050						
Endrin aldehyde	ND	ug/L	0.050						
Gamma-Chlordane	ND	ug/L	0.050						
gamma-BHC (Lindane)	ND	ug/L	0.050						
Heptachlor	ND	ug/L	0.050						
Heptachlor epoxide	ND	ug/L	0.050						
Methoxychlor	ND	ug/L	0.050						
Surr: Decachlorobiphenyl			0.000	172	44	115			

Qualifiers:
RL - Analyte reporting limit.
ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 04/02/07
Work Order: B07031876

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8081A									Batch: 26158
Sample ID: MB-26158	Method Blank				Run: BECD.I_070330A				03/30/07 11:34
Surr: Tetrachloro-m-xylene			0.050	80	40	120			
Sample ID: LCS-26158	Laboratory Control Sample				Run: BECD.I_070330A				03/30/07 12:02
4,4´-DDD	1.00	ug/L	0.050	100	69	125			
4,4´-DDE	0.951	ug/L	0.050	95	52	137			
4,4´-DDT	0.947	ug/L	0.050	95	69	131			
Aldrin	0.764	ug/L	0.050	76	58	111			
alpha-BHC	0.879	ug/L	0.050	88	63	114			
alpha-Chlordane	0.931	ug/L	0.050	93	68	115			
beta-BHC	0.960	ug/L	0.050	96	62	121			
delta-BHC	0.924	ug/L	0.050	92	59	116			
Dieldrin	1.00	ug/L	0.050	100	75	130			
Endosulfan I	0.956	ug/L	0.050	96	62	129			
Endosulfan II	1.06	ug/L	0.050	106	72	124			
Endosulfan sulfate	1.08	ug/L	0.050	108	67	124			
Endrin	1.07	ug/L	0.050	107	62	143			
Endrin aldehyde	0.991	ug/L	0.050	99	50	124			
Endrin ketone	1.05	ug/L	0.050	105	68	134			
gamma-BHC (Lindane)	0.905	ug/L	0.050	91	64	118			
gamma-Chlordane	0.895	ug/L	0.050	89	68	117			
Heptachlor	0.866	ug/L	0.050	87	57	118			
Heptachlor epoxide	0.918	ug/L	0.050	92	70	120			
Methoxychlor	0.937	ug/L	0.050	94	63	137			
Surr: Decachlorobiphenyl			0.050	117	44	119			
Surr: Tetrachloro-m-xylene			0.050	77	40	120			
Sample ID: LCS2-26158	Laboratory Control Sample				Run: BECD.I_070330A				03/30/07 12:30
Chlordane	1.87	ug/L	0.50	75	60	102			
Surr: Decachlorobiphenyl			0.050	115	44	119			
Surr: Tetrachloro-m-xylene			0.050	75	40	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Dunn Silver Dow Finally Works Dept

Project: Oil Lamella

Report Date: 04/02/07

Work Order: 8070218T8

Analyte	Result	Units	RL	MRLC	Low Limit	High Limit	RPD	RPDLim	Qual
Method:	SW8310A								Batch: 25738
Sample ID:	MB-25738		Method Blank			Run: MICRO_070220A			02/20/07 17:24
Start Temperature (°C)				0.050	20	40	120		
Sample ID:	LCS-25738		Laboratory Control Sample			Run: MICRO_070220A			02/20/07 12:00
4,4'-DDD			ug/L	0.050	102	56	128		
4,4'-DDE	0.541	ug/L		0.050	98	62	142		
4,4'-DDT	0.547	ug/L		0.050	99	60	151		
Aldrin	0.734	ug/L		0.050	75	58	141		
alpha-BHC	0.679	ug/L		0.050	88	63	114		
alpha-Chlordane	0.571	ug/L		0.050	89	58	113		
beta-BHC	0.560	ug/L		0.050	96	62	121		
delta-BHC	0.524	ug/L		0.050	90	58	118		
Dieldrin	1.03	ug/L		0.050	100	75	125		
Endosulfan I	0.679	ug/L		0.050	95	58	129		
Endosulfan II	1.08	ug/L		0.050	100	72	124		
Endosulfan sulfate	1.07	ug/L		0.050	100	67	124		
Endrin	1.07	ug/L		0.050	107	62	143		
Endrin aldehyde	0.501	ug/L		0.050	90	30	124		
Endrin ketone	1.05	ug/L		0.050	100	68	124		
gamma-BHC (Lindane)	0.555	ug/L		0.050	91	64	116		
gamma-Chlordane	0.575	ug/L		0.050	90	62	117		
Heptachlor	0.808	ug/L		0.050	87	57	118		
Heptachlor epoxide	0.918	ug/L		0.050	92	73	120		
Methoxychlor	0.977	ug/L		0.050	94	61	127		
Run: Organochlorinepy				0.050	117	44	113		
Run: Tuned-Non-Aroma				0.050	77	40	120		
Sample ID:	LCS-25738		Laboratory Control Sample			Run: MICRO_070220A			02/20/07 12:10
Chlordane	1.67	ug/L		0.50	75	60	102		
Run: Organochlorinepy				0.050	115	44	119		
Run: Tuned-Non-Aroma				0.050	78	40	120		

Qualifiers:

RL - Analyte reporting limit.

MRLC - Met detection at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 04/02/07
Work Order: B07031876

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8082									Batch: 26158
Sample ID: MB-26158	Method Blank				Run: BECD.I_070328A				03/28/07 13:05
Aroclor 1016	ND	ug/L	0.50						
Aroclor 1221	ND	ug/L	0.50						
Aroclor 1232	ND	ug/L	0.50						
Aroclor 1242	ND	ug/L	0.50						
Aroclor 1248	ND	ug/L	0.50						
Aroclor 1254	ND	ug/L	0.50						
Aroclor 1260	ND	ug/L	0.50						
Aroclor 1262	ND	ug/L	0.50						
Aroclor 1268	ND	ug/L	0.50						
Surr: Decachlorobiphenyl			0.050	99	44	119			
Surr: Tetrachloro-m-xylene			0.050	79	40	120			
Sample ID: LCS1-26158	Laboratory Control Sample				Run: BECD.I_070328A				03/29/07 12:27
Aroclor 1221	16.6	ug/L	0.50	83	38	114			
Surr: Decachlorobiphenyl			0.050	94	44	119			
Surr: Tetrachloro-m-xylene			0.050	78	40	120			
Sample ID: B07031876-003CMB	Sample Matrix Spike				Run: BECD.I_070328A				03/29/07 12:55
Aroclor 1221	16.3	ug/L	0.50	81	38	114			
Surr: Decachlorobiphenyl			0.050	78	44	119			
Surr: Tetrachloro-m-xylene			0.050	76	40	120			
Sample ID: B07031876-003CDB	Sample Matrix Spike Duplicate				Run: BECD.I_070328A				03/29/07 13:23
Aroclor 1221	14.0	ug/L	0.50	70	38	114	15	40	
Surr: Decachlorobiphenyl			0.050	71	44	119			
Surr: Tetrachloro-m-xylene			0.050	65	40	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Bude Silver Bow Public Works Dept.

Project: Old Landfill

Report Date: 04/02/07

Work Order: 3010119/0

Analyte	Result	Units	RL	MRDL Low Limit	High Limit	RPD	RPDLimit	Qual
Method: 6010B/6								Date: 3/16/06
Sample ID: 6B-3/16/06		Analyte Blank			Run: 6BCCD1_010306A			03/06/07 12:05
Arsenic 1075	ND	ug/L	0.80					
Arsenic 1221	ND	ug/L	0.60					
Arsenic 1232	ND	ug/L	0.30					
Arsenic 1242	ND	ug/L	0.60					
Arsenic 1248	ND	ug/L	0.80					
Arsenic 1254	ND	ug/L	0.70					
Arsenic 1260	ND	ug/L	0.27					
Arsenic 1262	ND	ug/L	0.30					
Arsenic 1268	ND	ug/L	0.30					
Run: Dissolved/Acidify			0.020	20	41	115		
Run: Tissue/Non-Aqueous			0.020	15	40	120		
Sample ID: 1CB1-3/16/06		Laboratory Control Sample			Run: 6BCCD1_010306A			03/06/07 12:27
Arsenic 1221	16.9	ug/L	0.60	75	38	125		
Run: Dissolved/Acidify			0.020	85	41	115		
Run: Tissue/Non-Aqueous			0.020	75	40	120		
Sample ID: 6B3/16/06-03/06/07		Sample Matrix Spike			Run: 6BCCD1_010306A			03/06/07 12:36
Arsenic 1221	16.3	ug/L	0.60	81	38	115		
Run: Dissolved/Acidify			0.020	75	41	110		
Run: Tissue/Non-Aqueous			0.020	75	40	120		
Sample ID: 6B3/16/06-03/06/07		Sample Matrix Spike Duplicate			Run: 6BCCD1_010306A			03/06/07 12:22
Arsenic 1221	16.6	ug/L	0.60	75	38	115	35	40
Run: Dissolved/Acidify			0.020	75	41	110		
Run: Tissue/Non-Aqueous			0.020	85	40	120		

Qualifiers:

RL - Analyte reporting limit.

MD - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 04/02/07
Work Order: B07031876

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8151A									Batch: 26141
Sample ID: MB-26141	Method Blank				Run: CECD.I_070330C				03/30/07 16:40
2,4-D	ND	ug/L	1.0						
Dinoseb	ND	ug/L	1.0						
2,4,5-T	ND	ug/L	0.20						
2,4,5-TP (Silvex)	ND	ug/L	0.20						
Surr: DCAA			0.10	80	57	125			
Sample ID: LCS-26141	Laboratory Control Sample				Run: CECD.I_070330C				03/30/07 17:13
2,4-D	4.71	ug/L	1.0	94	58	136			
Dinoseb	4.34	ug/L	1.0	87	13	146			
2,4,5-T	4.06	ug/L	0.20	81	68	152			
2,4,5-TP (Silvex)	4.82	ug/L	0.20	96	66	153			
Surr: DCAA			0.10	85	57	125			
Sample ID: B07031788-006DMS	Sample Matrix Spike				Run: CECD.I_070330C				03/30/07 21:05
2,4-D	4.65	ug/L	1.0	93	50	140			
Dinoseb	4.06	ug/L	1.0	81	10	150			
2,4,5-T	4.05	ug/L	0.20	81	60	160			
2,4,5-TP (Silvex)	4.76	ug/L	0.20	95	60	155			
Surr: DCAA			0.10	81	57	125			
Sample ID: B07031788-006DMSD	Sample Matrix Spike Duplicate				Run: CECD.I_070330C				03/30/07 21:38
2,4-D	4.42	ug/L	1.0	88	50	140	5.1	40	
Dinoseb	3.99	ug/L	1.0	80	10	150	1.7	40	
2,4,5-T	3.97	ug/L	0.20	79	60	160	2.0	40	
2,4,5-TP (Silvex)	4.60	ug/L	0.20	92	60	155	3.4	40	
Surr: DCAA			0.10	82	57	125			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Bella Silver Iron Pulse Water Corp.
Project: Old Lagoon

Report Date: 06/02/07
Work Order: 07F0318171

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPD Lim	Qual
Method: SW846									Batch: 39141
Sample ID: MB-39141	Method Blank					Run: GC/ECD_070602C			06/02/07 16:40
2,4,6-T	ND	ug/L	1.0						
Dicamba	ND	ug/L	1.0						
2,4,5-T	ND	ug/L	0.20						
2,4,5-TP (Silvex)	ND	ug/L	0.20						
Surr: DCAA			0.10	80	37	153			
Sample ID: LCS-39141	Laboratory Control Sample					Run: GC/ECD_070602C			06/02/07 17:13
2,4,6-T	4.27	ug/L	1.0	94	56	136			
Dicamba	4.24	ug/L	1.0	97	13	146			
2,4,5-T	0.98	ug/L	0.20	91	55	132			
2,4,5-TP (Silvex)	0.97	ug/L	0.20	90	50	143			
Surr: DCAA			0.10	88	37	153			
Sample ID: 07F0318171-01A	Sample Matrix Spike					Run: GC/ECD_070602C			06/02/07 21:00
2,4,6-T	4.55	ug/L	1.0	93	30	160			
Dicamba	4.50	ug/L	1.0	97	10	150			
2,4,5-T	0.95	ug/L	0.20	91	50	150			
2,4,5-TP (Silvex)	0.95	ug/L	0.20	90	40	153			
Surr: DCAA			0.10	87	37	153			
Sample ID: 07F0318171-01A MSD	Sample Matrix Spike Duplicate					Run: GC/ECD_070602C			06/02/07 21:30
2,4,6-T	4.60	ug/L	1.0	95	30	140	3.1	40	
Dicamba	3.90	ug/L	1.0	80	10	150	14	50	
2,4,5-T	0.97	ug/L	0.20	78	50	150	2.0	40	
2,4,5-TP (Silvex)	0.92	ug/L	0.20	82	40	153	3.4	40	
Surr: DCAA			0.10	82	37	153			

Qualifiers:
RL - Analyte reporting limit.
ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 04/05/07
Work Order: B07031876

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 26147
Sample ID: LCS-26147	Laboratory Control Sample				Run: SV5973N.I_070328B				03/29/07 07:50
1,2,4-Trichlorobenzene	62.2	ug/L	10	62	31	87			
1,2-Dichlorobenzene	57.9	ug/L	10	58	33	76			
1,3-Dichlorobenzene	53.5	ug/L	10	54	31	74			
1,4-Dichlorobenzene	54.4	ug/L	10	54	30	74			
1-Methylnaphthalene	70.0	ug/L	10	70	36	95			
2,4,5-Trichlorophenol	55.4	ug/L	10	55	27	100			
2,4,6-Trichlorophenol	64.5	ug/L	10	65	21	130			
2,4-Dichlorophenol	57.9	ug/L	10	58	35	86			
2,4-Dimethylphenol	57.3	ug/L	10	57	33	92			
2,4-Dinitrophenol	47.8	ug/L	50	48	10	112			
2,4-Dinitrotoluene	70.1	ug/L	10	70	44	110			
2,6-Dinitrotoluene	72.6	ug/L	10	73	40	113			
2-Chloronaphthalene	70.9	ug/L	10	71	38	100			
2-Chlorophenol	52.2	ug/L	10	52	30	77			
2-Methylnaphthalene	69.7	ug/L	10	70	36	89			
2-Nitroaniline	60.0	ug/L	10	60	38	98			
2-Nitrophenol	62.7	ug/L	10	63	31	94			
3,3´-Dichlorobenzidine	63.6	ug/L	20	64	29	110			
3-Nitroaniline	62.5	ug/L	10	63	33	86			
4,6-Dinitro-2-methylphenol	63.4	ug/L	50	63	10	118			
4-Bromophenyl phenyl ether	76.9	ug/L	10	77	36	109			
4-Chloro-2-methylphenol	54.3	ug/L	10	54	36	89			
4-Chloro-3-methylphenol	66.5	ug/L	10	67	36	95			
4-Chlorophenol	54.4	ug/L	10	54	25	91			
4-Chlorophenyl phenyl ether	75.9	ug/L	10	76	38	107			
4-Nitroaniline	64.3	ug/L	10	64	34	102			
4-Nitrophenol	39.8	ug/L	50	40	10	49			
Acenaphthene	71.8	ug/L	10	72	43	97			
Acenaphthylene	70.3	ug/L	10	70	45	94			
Aniline	14.2	ug/L	10	14	10	38			
Anthracene	84.6	ug/L	10	85	50	106			
Azobenzene	75.6	ug/L	10	76	41	103			
Benzidine	50.2	ug/L	20	50	10	142			
Benzo(a)anthracene	89.3	ug/L	10	89	39	121			
Benzo(a)pyrene	76.2	ug/L	10	76	42	109			
Benzo(b)fluoranthene	68.3	ug/L	10	68	32	124			
Benzo(g,h,i)perylene	76.2	ug/L	10	76	42	117			
Benzo(k)fluoranthene	80.4	ug/L	10	80	46	104			
Benzyl alcohol	37.5	ug/L	10	38	27	64			
bis(-2-chloroethoxy)Methane	60.0	ug/L	10	60	33	93			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Bubba Sam Sim Public Works Dept
Project: CIM Landfill

Report Date: 04/05/07
Work Order: 8D7/03 1818

Analyte	Result	Units	RL	MRDC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	8270/3510C								Batch: 32741
Sample ID:	LCS-32741	Laboratory Control Sample				Run: SVM-7C1_070305B			03/28/07 07:00
1,2,4-Trichlorobenzene	52.2	ug/L	10	62	37	87			
1,2-Dichlorobenzene	52.8	ug/L	10	63	43	95			
1,3-Dichlorobenzene	53.5	ug/L	10	64	37	74			
1,4-Dichlorobenzene	54.4	ug/L	10	64	30	74			
4-Nitrophenol	70.0	ug/L	10	70	30	94			
2,4,5-Trichlorophenol	66.4	ug/L	10	66	37	100			
2,4,6-Trichlorophenol	64.3	ug/L	10	66	37	130			
2,4-Dichlorophenol	67.3	ug/L	10	68	39	84			
2,4-Dimethylphenol	47.7	ug/L	10	57	32	120			
2,4-Dinitrophenol	47.5	ug/L	20	48	10	112			
2,4-Dinitrotoluene	70.1	ug/L	10	70	44	110			
2,6-Dinitrotoluene	72.6	ug/L	10	73	40	112			
2-Chloronaphthalene	70.8	ug/L	10	71	60	100			
2-Chlorophenol	52.2	ug/L	10	65	30	77			
2-Methylnaphthalene	67.1	ug/L	10	70	40	120			
2-Nitroaniline	60.2	ug/L	10	60	44	92			
2-Nitrophenol	62.7	ug/L	10	63	31	91			
3,3'-Dichlorobenzidine	118.8	ug/L	20	94	20	110			
3-Nitroaniline	62.2	ug/L	10	65	33	80			
4,6-Dinitro-2-methylphenol	63.4	ug/L	10	63	30	118			
4-Bromophenyl phenyl ether	74.9	ug/L	10	77	30	105			
4-Chloro-3-methylphenol	64.3	ug/L	10	64	32	80			
4-Chloroaniline	68.5	ug/L	10	67	30	98			
4-Chlorophenyl phenyl ether	54.4	ug/L	10	54	25	91			
4-Nitroaniline	73.9	ug/L	10	73	28	107			
4-Nitrophenol	54.3	ug/L	10	54	34	102			
Acenaphthene	39.6	ug/L	10	40	10	49			
Acenaphthylene	71.6	ug/L	10	72	43	97			
Aniline	70.3	ug/L	10	70	45	91			
Anthracene	14.2	ug/L	10	14	10	38			
Azobenzene	64.8	ug/L	10	65	50	100			
Benzidine	75.8	ug/L	10	76	41	103			
Benzoic acid	50.3	ug/L	50	50	10	112			
Benzo(a)anthracene	69.3	ug/L	10	69	39	107			
Benzo(a)pyrene	76.3	ug/L	10	76	42	109			
Benzo(b)fluoranthene	69.8	ug/L	10	69	42	124			
Benzo(g,h,i)perylene	76.3	ug/L	10	76	42	117			
Benzo(k)fluoranthene	69.4	ug/L	10	69	46	104			
Benzyl alcohol	37.5	ug/L	10	38	27	94			
bis(2-chloroethoxy)Methane	69.6	ug/L	10	69	33	93			

Qual Legend:
RL - Analyte reporting limit
MDC - Method detection limit

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 04/05/07
Work Order: B07031876

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 26147
Sample ID: LCS-26147	Laboratory Control Sample				Run: SV5973N.I_070328B				03/29/07 07:50
bis(-2-chloroethyl)Ether	55.6	ug/L	10	56	28	91			
bis(2-chloroisopropyl)Ether	62.3	ug/L	10	62	33	87			
bis(2-ethylhexyl)Phthalate	78.6	ug/L	10	79	13	127			
Butylbenzylphthalate	77.7	ug/L	10	78	31	118			
Chrysene	72.4	ug/L	10	72	47	110			
Dibenzo(a,h)anthracene	81.9	ug/L	10	82	44	114			
Dibenzofuran	69.7	ug/L	10	70	44	90			
Diethyl phthalate	76.0	ug/L	10	76	38	109			
Dimethyl phthalate	76.9	ug/L	10	77	36	110			
Di-n-butyl phthalate	84.0	ug/L	10	84	33	117			
Di-n-octyl phthalate	77.0	ug/L	10	77	25	123			
Fluoranthene	87.8	ug/L	10	88	45	117			
Fluorene	70.3	ug/L	10	70	42	104			
Hexachlorobenzene	77.1	ug/L	10	77	36	109			
Hexachlorobutadiene	60.7	ug/L	10	61	27	83			
Hexachlorocyclopentadiene	52.0	ug/L	20	52	30	85			
Hexachloroethane	51.9	ug/L	10	52	28	72			
Indeno(1,2,3-cd)pyrene	80.3	ug/L	10	80	35	123			
Isophorone	69.5	ug/L	10	70	36	99			
m+p-Cresols	51.7	ug/L	10	52	30	70			
Naphthalene	62.0	ug/L	10	62	37	88			
Nitrobenzene	64.0	ug/L	10	64	35	86			
n-Nitrosodimethylamine	29.8	ug/L	10	30	19	43			
n-Nitroso-di-n-propylamine	68.0	ug/L	10	68	34	102			
n-Nitrosodiphenylamine	69.2	ug/L	10	69	33	106			
o-Cresol	55.3	ug/L	10	55	31	76			
p-Chloroaniline	52.4	ug/L	10	52	20	80			
Pentachlorophenol	75.6	ug/L	50	76	24	117			
Phenanthrene	60.0	ug/L	10	60	38	113			
Phenol	31.8	ug/L	10	32	18	48			
Pyrene	78.5	ug/L	10	79	39	115			
Pyridine	21.2	ug/L	10	21	11	38			
Surr: 2,4,6-Tribromophenol			10	87	21	130			
Surr: 2-Fluorobiphenyl			10	76	28	107			
Surr: 2-Fluorophenol			10	40	20	56			
Surr: Nitrobenzene-d5			10	71	32	94			
Surr: Phenol-d5			10	36	19	45			
Surr: Terphenyl-d14			10	87	32	122			
Sample ID: B07031830-001DMS	Sample Matrix Spike				Run: SV5973N.I_070329A				03/30/07 00:04
1,2,4-Trichlorobenzene	56.8	ug/L	20	57	31	87			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Bob's Shoe Box Public Works Dept.
Project: Oil Lands

Report Date: 04/08/07
Work Order: 50703167B

Analyte	Result	Units	RL	QA/QC Low Limit	High Limit	RPD	RPD Limit	Qual
Method: SW8270C							Batch: 24147	
Sample ID: LCS-24147		Laboratory Control Sample			Run: SVSIM7SN1_070328A		03/29/07 07:00	
Bis(-2-chloroethyl)Ether	52.6	ug/L	10	35	58		01	
Bis(2-chloroisopropyl)Ether	52.2	ug/L	10	42	57		47	
Bis(2-ethylhexyl)Phthalate	78.8	ug/L	10	75	13		127	
Butylbenzylphthalate	77.7	ug/L	10	75	21		118	
Chrysene	72.4	ug/L	10	72	47		110	
Dibenz(a,h)anthracene	81.0	ug/L	10	65	44		114	
Dibenzofuran	80.7	ug/L	10	75	44		90	
Diethyl phthalate	75.7	ug/L	10	70	36		160	
Dimethyl phthalate	73.8	ug/L	10	77	36		110	
Di-n-butyl phthalate	84.0	ug/L	10	84	33		117	
Di-n-octyl phthalate	77.5	ug/L	10	77	25		124	
Fluoranthene	87.4	ug/L	10	80	46		117	
Fluorene	70.3	ug/L	10	70	42		104	
Hexachlorobenzene	77.1	ug/L	10	77	28		100	
Hexachlorobutadiene	60.7	ug/L	10	61	27		83	
Hexachlorocyclopentadiene	32.0	ug/L	20	53	30		35	
Hexachloroethane	51.8	ug/L	10	52	23		77	
Indeno(1,2,3-cd)Pyrene	80.6	ug/L	10	80	28		123	
Isophorone	69.5	ug/L	10	70	36		83	
Naphthalene	51.7	ug/L	10	52	30		70	
Nitrobenzene	52.8	ug/L	10	52	37		82	
N-Nitrosodimethylamine	58.0	ug/L	10	64	24		80	
N-Nitrosodi-n-propylamine	53.0	ug/L	10	30	12		47	
N-Nitrosodiphenylamine	63.0	ug/L	10	68	34		102	
Pentachlorophenol	60.2	ug/L	10	60	22		103	
Phenanthrene	55.3	ug/L	10	58	37		76	
p-Chloro-m-cresol	52.4	ug/L	10	52	22		80	
Pyrene	78.8	ug/L	10	78	24		117	
Pyridine	60.0	ug/L	10	60	36		113	
Thionazin	37.9	ug/L	10	32	18		48	
Thiophenol	72.5	ug/L	10	78	32		112	
Toluene	71.2	ug/L	10	71	11		38	
Sum: 2,4,5-Trichlorophenol			10	67	21		130	
Sum: 2-Fluorobiphenyl			10	75	28		107	
Sum: 2-Fluorophenol			10	40	20		60	
Sum: Nitrobenzene-d5			10	71	32		84	
Sum: Phenol-d5			10	58	16		48	
Sum: Terphenyl-d14			10	67	32		122	
Sample ID: 07703113SD07703C		Sample Matrix Spike			Run: SVMS7SN1_070328A		03/29/07 10:00	
1,2,4-Trichlorobenzene	56.8	ug/L	20	57	31		87	

Qualifiers:
RL - Analyte reporting limit.
NEG - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 04/05/07
Work Order: B07031876

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 26147
Sample ID: B07031830-001DMS	Sample Matrix Spike				Run: SV5973N.I_070329A				03/30/07 00:04
1,2-Dichlorobenzene	56.4	ug/L	20	56	33	76			
1,3-Dichlorobenzene	58.0	ug/L	20	58	31	74			
1,4-Dichlorobenzene	53.4	ug/L	20	53	30	74			
1-Methylnaphthalene	59.6	ug/L	20	60	36	95			
2,4,5-Trichlorophenol	73.2	ug/L	20	73	27	100			
2,4,6-Trichlorophenol	91.0	ug/L	20	91	21	130			
2,4-Dichlorophenol	69.8	ug/L	20	70	35	86			
2,4-Dimethylphenol	71.0	ug/L	20	71	33	92			
2,4-Dinitrophenol	49.2	ug/L	100	49	10	112			
2,4-Dinitrotoluene	70.6	ug/L	20	71	44	110			
2,6-Dinitrotoluene	42.0	ug/L	20	42	40	113			
2-Chloronaphthalene	61.4	ug/L	20	61	38	100			
2-Chlorophenol	62.8	ug/L	20	63	30	77			
2-Methylnaphthalene	73.6	ug/L	20	74	36	89			
2-Nitrophenol	70.6	ug/L	20	71	31	94			
3,3´-Dichlorobenzidine	53.4	ug/L	40	53	29	110			
4,6-Dinitro-2-methylphenol	47.2	ug/L	100	47	10	118			
4-Bromophenyl phenyl ether	48.0	ug/L	20	48	36	109			
4-Chloro-3-methylphenol	71.2	ug/L	20	71	36	95			
4-Chlorophenol	65.2	ug/L	20	65	25	91			
4-Chlorophenyl phenyl ether	50.8	ug/L	20	51	38	107			
4-Nitrophenol	76.0	ug/L	100	76	10	49			S
Acenaphthene	59.6	ug/L	20	60	43	97			
Acenaphthylene	65.4	ug/L	20	65	45	94			
Anthracene	47.0	ug/L	20	47	50	106			S
Azobenzene	57.6	ug/L	20	58	41	103			
Benzidine	29.8	ug/L	40	30	10	142			
Benzo(a)anthracene	39.4	ug/L	20	39	39	121			
Benzo(a)pyrene	50.4	ug/L	20	50	42	109			
Benzo(b)fluoranthene	32.8	ug/L	20	33	32	124			
Benzo(g,h,i)perylene	42.8	ug/L	20	43	42	117			
Benzo(k)fluoranthene	49.2	ug/L	20	49	46	104			
bis(-2-chloroethoxy)Methane	75.8	ug/L	20	76	33	93			
bis(-2-chloroethyl)Ether	75.6	ug/L	20	76	28	91			
bis(2-chloroisopropyl)Ether	67.6	ug/L	20	68	33	87			
bis(2-ethylhexyl)Phthalate	46.0	ug/L	20	46	13	127			
Butylbenzylphthalate	46.8	ug/L	20	47	31	118			
Chrysene	46.4	ug/L	20	46	47	110			S
Di-n-butyl phthalate	51.2	ug/L	20	51	33	117			
Di-n-octyl phthalate	43.2	ug/L	20	43	25	123			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

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[illegible] • [illegible] • [illegible] • [illegible] • [illegible]

QA/QC Summary Report

Client: Bible Drive Iron Rusting Work Dept
Project: Old Lands

Report Date: 04/30/07
Work Order: 0070317[illegible]

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPD Limit	Qual
Method: SW8270D									Run: 2[illegible]47
Sample ID: 0070317030-01[illegible]MS			Sample Matrix Spike			Run: SV[illegible]_070329A			03/30/07 00:00
1,2-Dichlorobenzene	[illegible]	ug/L	20	[illegible]	20	[illegible]			
1,3-Dichlorobenzene	[illegible]	ug/L	20	[illegible]	20	[illegible]			
1,4-Dichlorobenzene	[illegible]	ug/L	20	[illegible]	20	[illegible]			
1-Methylnaphthalene	[illegible]	ug/L	20	[illegible]	20	[illegible]			
2,4,5-Trichlorophenol	[illegible]	ug/L	20	[illegible]	20	[illegible]			
2,4,6-Trichlorophenol	[illegible]	ug/L	20	[illegible]	20	[illegible]			
2,4-Dichlorophenol	[illegible]	ug/L	20	[illegible]	20	[illegible]			
2,4-Dimethylphenol	[illegible]	ug/L	20	[illegible]	20	[illegible]			
2,4-Dinitrophenol	[illegible]	ug/L	100	[illegible]	20	[illegible]			
2,4-Dinitrotoluene	[illegible]	ug/L	20	[illegible]	20	[illegible]			
2,6-Dinitrotoluene	[illegible]	ug/L	20	[illegible]	20	[illegible]			
2-Chloronaphthalene	[illegible]	ug/L	20	[illegible]	20	[illegible]			
2-Chlorophenol	[illegible]	ug/L	20	[illegible]	20	[illegible]			
2-Methylnaphthalene	[illegible]	ug/L	20	[illegible]	20	[illegible]			
2-Methylphenol	[illegible]	ug/L	20	[illegible]	20	[illegible]			
2-Nitroaniline	[illegible]	ug/L	20	[illegible]	20	[illegible]			
2-Nitrophenol	[illegible]	ug/L	20	[illegible]	20	[illegible]			
3,3'-Dichlorobenzidine	[illegible]	ug/L	20	[illegible]	20	[illegible]			
4,6-Dinitro-2-methylphenol	[illegible]	ug/L	100	[illegible]	20	[illegible]			
4-Bromophenyl phenyl ether	[illegible]	ug/L	20	[illegible]	20	[illegible]			
4-Chloro-3-methylphenol	[illegible]	ug/L	20	[illegible]	20	[illegible]			
4-Chloroaniline	[illegible]	ug/L	20	[illegible]	20	[illegible]			
4-Chlorophenyl phenyl ether	[illegible]	ug/L	20	[illegible]	20	[illegible]			
4-Nitroaniline	[illegible]	ug/L	100	[illegible]	20	[illegible]			
4-Nitrophenol	[illegible]	ug/L	20	[illegible]	20	[illegible]			
Acenaphthene	[illegible]	ug/L	20	[illegible]	20	[illegible]			
Acenaphthylene	[illegible]	ug/L	20	[illegible]	20	[illegible]			
Aniline	[illegible]	ug/L	20	[illegible]	20	[illegible]			
Anthracene	[illegible]	ug/L	20	[illegible]	20	[illegible]			
Benzidine	[illegible]	ug/L	20	[illegible]	20	[illegible]			
Benzo(a)anthracene	[illegible]	ug/L	20	[illegible]	20	[illegible]			
Benzo(a)pyrene	[illegible]	ug/L	20	[illegible]	20	[illegible]			
Benzo(b)fluoranthene	[illegible]	ug/L	20	[illegible]	20	[illegible]			
Benzo(g,h,i)perylene	[illegible]	ug/L	20	[illegible]	20	[illegible]			
Benzo(k)fluoranthene	[illegible]	ug/L	20	[illegible]	20	[illegible]			
bis(2-chloroethoxy)Methane	[illegible]	ug/L	20	[illegible]	20	[illegible]			
bis(2-Chloroethyl)ether	[illegible]	ug/L	20	[illegible]	20	[illegible]			
bis(2-chloroisopropyl)Ether	[illegible]	ug/L	20	[illegible]	20	[illegible]			
bis(2-ethylhexyl)Phthalate	[illegible]	ug/L	20	[illegible]	20	[illegible]			
Butylbenzylphthalate	[illegible]	ug/L	20	[illegible]	20	[illegible]			
Chrysene	[illegible]	ug/L	20	[illegible]	20	[illegible]			
Di-n-butyl phthalate	[illegible]	ug/L	20	[illegible]	20	[illegible]			
Di-n-octyl phthalate	[illegible]	ug/L	20	[illegible]	20	[illegible]			

Qualifiers:
RL - Analyte reporting limit
B - Blank contamination

RD - Not detected at the reporting limit

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 04/05/07
Work Order: B07031876

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 26147
Sample ID: B07031830-001DMS	Sample Matrix Spike				Run: SV5973N.I_070329A			03/30/07 00:04	
Dibenzo(a,h)anthracene	48.4	ug/L	20	48	44	114			
Diethyl phthalate	77.2	ug/L	20	74	38	109			
Dimethyl phthalate	68.4	ug/L	20	68	36	110			
Fluoranthene	51.4	ug/L	20	51	45	117			
Fluorene	54.8	ug/L	20	55	42	104			
Hexachlorobenzene	44.8	ug/L	20	45	36	109			
Hexachlorobutadiene	46.0	ug/L	20	46	27	83			
Hexachlorocyclopentadiene	32.8	ug/L	40	33	30	85			
Hexachloroethane	49.2	ug/L	20	49	28	72			
Indeno(1,2,3-cd)pyrene	34.6	ug/L	20	35	35	123			
Isophorone	72.4	ug/L	20	72	36	99			
m+p-Cresols	136	ug/L	20	95	30	70			S
n-Nitroso-di-n-propylamine	74.2	ug/L	20	74	34	102			
n-Nitrosodimethylamine	44.0	ug/L	20	44	19	43			S
n-Nitrosodiphenylamine	66.8	ug/L	20	67	33	106			
Naphthalene	60.0	ug/L	20	60	37	88			
Nitrobenzene	67.8	ug/L	20	68	35	86			
o-Cresol	67.8	ug/L	20	64	31	76			
Pentachlorophenol	76.4	ug/L	100	76	24	117			
Phenanthrene	51.2	ug/L	20	51	38	113			
Phenol	70.2	ug/L	20	57	18	48			S
Pyrene	42.8	ug/L	20	43	39	115			
Pyridine	35.4	ug/L	20	35	11	38			
Surr: 2,4,6-Tribromophenol			20	82	21	130			
Surr: 2-Fluorobiphenyl			20	49	28	107			
Surr: 2-Fluorophenol			20	50	20	56			
Surr: Nitrobenzene-d5			20	74	32	94			
Surr: Phenol-d5			20	50	19	45			S
Surr: Terphenyl-d14			20	55	32	122			
Sample ID: B07031830-002DMS	Sample Matrix Spike				Run: SV5973N.I_070329A			03/30/07 01:05	
1,2,4-Trichlorobenzene	55.8	ug/L	20	56	31	87	1.8	40	
1,2-Dichlorobenzene	53.0	ug/L	20	53	33	76	6.2	40	
1,3-Dichlorobenzene	53.2	ug/L	20	53	31	74	8.6	40	
1,4-Dichlorobenzene	48.0	ug/L	20	48	30	74	11	40	
1-Methylnaphthalene	61.4	ug/L	20	61	36	95	3.0	40	
2,4,5-Trichlorophenol	72.4	ug/L	20	72	27	100	1.1	40	
2,4,6-Trichlorophenol	77.4	ug/L	20	77	21	130	16	40	
2,4-Dichlorophenol	57.2	ug/L	20	57	35	86	20	40	
2,4-Dimethylphenol	62.4	ug/L	20	62	33	92	13	40	
2,4-Dinitrophenol	27.4	ug/L	100	27	10	112	0.0	40	

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

QAQCQ Summary Report

Client: Suite Silver Eon Public Works Dept Report Date: 06/05/07

Project: C46 Landfill Work Order: 8D7237F7

Analyte	Result	Units	RL	Method Low Limit	High Limit	RPD	RPD Limit	Qual
Method:	SW8270C						Batch 24141	
Sample ID:	D072312CMB1DM1	Sample Matrix Soils		Run SV8270M1_070723A			QA/QCQ 3E0a	
Dibenzofuran	48.4	ug/L	20	46	54	114		
Diethyl phthalate	77.7	ug/L	20	74	86	103		
Dimethyl phthalate	68.4	ug/L	20	65	85	110		
Fluoranthene	68.4	ug/L	20	61	69	112		
Fluorene	54.0	ug/L	20	50	45	104		
Hexachlorobenzene	44.8	ug/L	20	46	32	109		
Hexachlorobutadiene	46.3	ug/L	20	48	27	83		
Hexachlorocyclopentadiene	32.8	ug/L	40	33	20	86		
Hexachloroethane	42.2	ug/L	20	45	28	78		
Indeno(1,2,3-cd)pyrene	34.8	ug/L	20	35	35	123		
Isophorone	72.4	ug/L	20	72	30	96		
m-Cresol	136	ug/L	20	90	30	70		S
Naphthalene	74.2	ug/L	20	74	34	102		
n-Nitrosodi-n-propylamine	44.0	ug/L	20	44	15	112		S
n-Nitrosodiphenylamine	56.8	ug/L	20	67	33	130		
Nitrobenzene	50.0	ug/L	20	50	37	88		
Nitrobenzene	57.6	ug/L	20	58	25	88		
o-Cresol	67.6	ug/L	20	64	31	75		
Pentachlorophenol	75.4	ug/L	100	76	24	117		
Phenanthrene	54.2	ug/L	20	51	30	113		
Phenol	75.2	ug/L	20	57	18	48		S
Pyrene	42.6	ug/L	20	43	36	115		
Pyridine	70.4	ug/L	20	35	11	26		
Surr: 2,4,6-Tribromophenol			20	82	21	120		
Surr: 2-Fluorobiphenyl			20	49	28	107		
Surr: 2-Fluorophenol			20	56	20	69		
Surr: Nitrobenzene-d5			20	74	22	94		
Surr: Phenol-d5			20	50	19	45		S
Surr: Terphenyl-d14			20	55	32	122		
Sample ID:	8w1h0-1830-070723-S3	Sample Matrix Soils		Run SV8270M1_070723A			QA/QCQ 0100	
1,2,4-Trichlorobenzene	52.8	ug/L	20	56	31	80	1.8	40
1,2-Dichlorobenzene	50.0	ug/L	20	50	33	78	0.4	40
1,3-Dichlorobenzene	57.2	ug/L	20	50	37	74	0.8	40
1,4-Dichlorobenzene	49.0	ug/L	20	48	30	74	11	40
1-Methylnaphthalene	51.4	ug/L	20	51	30	95	3.0	40
2,4,5-Trichlorophenol	72.4	ug/L	20	72	27	100	3.3	40
2,4,6-Trichlorophenol	77.4	ug/L	20	77	21	120	18	40
2,4-Dichlorophenol	57.2	ug/L	20	57	30	86	20	40
2,4-Dimethylphenol	62.4	ug/L	20	52	33	80	13	40
2,4-Dinitrophenol	77.4	ug/L	100	77	10	112	0.0	40

Qualifiers:

RL - Analyte reporting limit. ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 04/05/07
Work Order: B07031876

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C								Batch: 26147	
Sample ID: B07031830-002DMS	Sample Matrix Spike				Run: SV5973N.I_070329A			03/30/07 01:05	
2,4-Dinitrotoluene	69.2	ug/L	20	69	44	110	2.0	40	
2,6-Dinitrotoluene	38.4	ug/L	20	38	40	113	9.0	40	S
2-Chloronaphthalene	66.6	ug/L	20	67	38	100	8.1	40	
2-Chlorophenol	54.4	ug/L	20	54	30	77	14	40	
2-Methylnaphthalene	73.0	ug/L	20	73	36	89	0.8	40	
2-Nitrophenol	61.8	ug/L	20	62	31	94	13	40	
3,3'-Dichlorobenzidine	51.2	ug/L	40	51	29	110	4.2	40	
4,6-Dinitro-2-methylphenol	44.6	ug/L	100	45	10	118	0.0	40	
4-Bromophenyl phenyl ether	61.0	ug/L	20	61	36	109	24	40	
4-Chloro-3-methylphenol	66.8	ug/L	20	67	36	95	6.4	40	
4-Chlorophenol	64.2	ug/L	20	64	25	91	1.5	40	
4-Chlorophenyl phenyl ether	62.0	ug/L	20	62	38	107	20	40	
4-Nitrophenol	44.0	ug/L	100	44	10	49	0.0	40	
Acenaphthene	68.0	ug/L	20	68	43	97	13	40	
Acenaphthylene	69.2	ug/L	20	69	45	94	5.6	40	
Anthracene	61.6	ug/L	20	62	50	106	27	40	
Azobenzene	67.6	ug/L	20	68	41	103	16	40	
Benzidine	48.8	ug/L	40	49	10	142	48	40	R
Benzo(a)anthracene	41.6	ug/L	20	42	39	121	5.4	40	
Benzo(a)pyrene	58.8	ug/L	20	59	42	109	15	40	
Benzo(b)fluoranthene	33.0	ug/L	20	33	32	124	0.6	40	
Benzo(g,h,i)perylene	52.4	ug/L	20	52	42	117	20	40	
Benzo(k)fluoranthene	59.8	ug/L	20	60	46	104	19	40	
bis(-2-chloroethoxy)Methane	67.0	ug/L	20	67	33	93	12	40	
bis(-2-chloroethyl)Ether	104	ug/L	20	104	28	91	31	40	S
bis(2-chloroisopropyl)Ether	60.6	ug/L	20	61	33	87	11	40	
bis(2-ethylhexyl)Phthalate	47.8	ug/L	20	48	13	127	3.8	40	
Butylbenzylphthalate	56.8	ug/L	20	57	31	118	19	40	
Chrysene	57.2	ug/L	20	57	47	110	21	40	
Di-n-butyl phthalate	75.0	ug/L	20	75	33	117	38	40	
Di-n-octyl phthalate	46.2	ug/L	20	46	25	123	6.7	40	
Dibenzo(a,h)anthracene	54.4	ug/L	20	54	44	114	12	40	
Diethyl phthalate	72.4	ug/L	20	72	38	109	6.4	40	
Dimethyl phthalate	65.8	ug/L	20	66	36	110	3.9	40	
Fluoranthene	64.2	ug/L	20	64	45	117	22	40	
Fluorene	63.2	ug/L	20	63	42	104	14	40	
Hexachlorobenzene	53.4	ug/L	20	53	36	109	18	40	
Hexachlorobutadiene	47.8	ug/L	20	48	27	83	3.8	40	
Hexachlorocyclopentadiene	41.2	ug/L	40	41	30	85	23	40	
Hexachloroethane	45.4	ug/L	20	45	28	72	8.0	40	

Qualifiers:

RL - Analyte reporting limit.
R - RPD exceeds advisory limit.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Blue Stone Gas Fields N Vale Dist

Project: Oil Leads

Report Date: 01/05/17

Visit Date: 01/05/17

Analyte	Result	Units	RL	Spike Low Limit	Spike High Limit	RPD	RPD Limit	Qual
Method: SW8270C							Batch: 39167	
Sample ID: 801201340-QC0001	Sample Matrix: Soils			From SW7030A / 3550A			01/05/17 07:05	
2,4-Dinitrotoluene	0.0	ug/L	20	60	44	110	3.5	40
2,6-Dinitrotoluene	0.4	ug/L	20	33	40	115	6.0	40
2-Chloronaphthalene	0.0	ug/L	20	67	32	105	8.1	40
2-Nitroaniline	0.4	ug/L	20	64	20	77	14	40
3-Nitroaniline	0.0	ug/L	20	73	20	90	0.4	40
4-Bromophenyl	0.4	ug/L	20	62	31	95	13	40
3,3'-Dichlorobenzidine	0.2	ug/L	40	87	26	110	4.3	40
4,6-Dinitro-2-methylphenol	0.0	ug/L	100	46	10	113	0.0	40
4-Chloroaniline	0.0	ug/L	20	81	30	109	24	40
4-Chloro-3-methylphenol	0.0	ug/L	20	87	34	96	8.4	40
4-Nitrophenol	0.2	ug/L	20	64	25	91	1.8	40
2-Chlorophenyl-phenyl ether	0.0	ug/L	20	62	36	107	20	40
Acenaphthene	0.0	ug/L	100	44	16	89	0.0	40
Acenaphthylene	0.0	ug/L	20	66	43	97	13	40
Anthracene	0.0	ug/L	20	63	43	94	2.9	40
Azobenzene	0.0	ug/L	20	60	50	100	27	40
Benzidine	0.0	ug/L	20	60	47	103	15	40
Benzoic acid	0.0	ug/L	40	40	10	102	40	40
Benzo(a)anthracene	0.0	ug/L	20	42	29	121	5.4	40
Benzo(a)pyrene	0.0	ug/L	20	30	42	109	18	40
Benzo(b)fluoranthene	0.0	ug/L	20	34	32	104	0.0	40
Benzo(g,h,i)perylene	0.0	ug/L	20	52	42	117	20	40
Benzo(k)fluoranthene	0.0	ug/L	20	65	46	104	19	40
Bis(2-chloroethoxy)methane	0.0	ug/L	20	87	35	90	13	40
Bis(2-chloroethyl)ether	0.0	ug/L	20	104	28	91	21	40
Bis(2-chloroisopropyl)ether	0.0	ug/L	20	81	32	97	11	40
Bis(2-ethylhexyl) phthalate	0.0	ug/L	20	46	13	127	3.6	40
Butylbenzylphthalate	0.0	ug/L	20	62	31	118	19	40
Chrysene	0.0	ug/L	20	64	47	110	27	40
Dibenz(a,h)anthracene	0.0	ug/L	20	75	35	117	26	40
Dibenzofuran	0.0	ug/L	20	46	25	90	8.7	40
Diethylphthalate	0.4	ug/L	20	54	44	114	12	40
Dimethylphthalate	0.4	ug/L	20	72	38	100	6.4	40
Di-n-butylphthalate	0.0	ug/L	20	66	36	110	3.9	40
Di-n-octylphthalate	0.0	ug/L	20	64	45	117	22	40
Fluoranthene	0.2	ug/L	20	62	42	104	14	40
Fluorene	0.4	ug/L	20	62	36	109	18	40
Hexachlorobenzene	0.0	ug/L	20	46	27	83	2.3	40
Hexachlorobutadiene	0.0	ug/L	40	41	30	83	22	40
Hexachlorocyclopentadiene	0.0	ug/L	20	46	36	72	0.0	40

Qual Legend

RL - Analyte reporting limit

B - Analyte detected in the associated blank

ND - Not detected at the reporting limit

E - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 04/05/07
Work Order: B07031876

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 26147
Sample ID: B07031830-002DMS	Sample Matrix Spike				Run: SV5973N.I_070329A			03/30/07 01:05	
Indeno(1,2,3-cd)pyrene	37.6	ug/L	20	38	35	123	8.3	40	
Isophorone	66.6	ug/L	20	67	36	99	8.3	40	
m+p-Cresols	55.8	ug/L	20	56	30	70	84	40	R
n-Nitroso-di-n-propylamine	66.0	ug/L	20	66	34	102	12	40	
n-Nitrosodimethylamine	37.0	ug/L	20	37	19	43	17	40	
n-Nitrosodiphenylamine	65.8	ug/L	20	66	33	106	1.5	40	
Naphthalene	58.4	ug/L	20	58	37	88	2.7	40	
Nitrobenzene	62.0	ug/L	20	62	35	86	8.9	40	
o-Cresol	56.8	ug/L	20	57	31	76	18	40	
Pentachlorophenol	65.6	ug/L	100	66	24	117	0.0	40	
Phenanthrene	62.4	ug/L	20	62	38	113	20	40	
Phenol	43.0	ug/L	20	43	18	48	48	40	R
Pyrene	54.2	ug/L	20	54	39	115	24	40	
Pyridine	29.6	ug/L	20	30	11	38	18	40	
Surr: 2,4,6-Tribromophenol			20	73	21	130	0.0	40	
Surr: 2-Fluorobiphenyl			20	61	28	107	0.0	40	
Surr: 2-Fluorophenol			20	40	20	56	0.0	40	
Surr: Nitrobenzene-d5			20	66	32	94	0.0	40	
Surr: Phenol-d5			20	43	19	45	0.0	40	
Surr: Terphenyl-d14			20	44	32	122	0.0	40	
Sample ID: MB-26147	Method Blank				Run: SV5973N.I_070404B			04/05/07 05:26	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10						
1,2,4-Trichlorobenzene	ND	ug/L	10						
1,2-Dichlorobenzene	ND	ug/L	10						
1,3,5-Trinitrobenzene	ND	ug/L	10						
1,3-Dichlorobenzene	ND	ug/L	10						
1,3-Dinitrobenzene	ND	ug/L	10						
1,4-Benzenediamine	ND	ug/L							P
1,4-Dichlorobenzene	ND	ug/L	10						
1,4-Naphthoquinone	ND	ug/L	10						
1-Methylnaphthalene	ND	ug/L	10						
1-Naphthylamine	ND	ug/L	10						
2,3,4,6-Tetrachlorophenol	ND	ug/L	10						
2,4,5-Trichlorophenol	ND	ug/L	10						
2,4,6-Trichlorophenol	ND	ug/L	10						
2,4-Dichlorophenol	ND	ug/L	10						
2,4-Dimethylphenol	ND	ug/L	10						
2,4-Dinitrophenol	ND	ug/L	50						
2,4-Dinitrotoluene	ND	ug/L	10						
2,6-Dichlorophenol	ND	ug/L	10						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.

R - RPD exceeds advisory limit.

QA/QC Summary Report

Client: Dade Silver Dive Public Works Dept
Project: Old Landfill

Report Date: 04/05/07
Work Order: 8012318/0

Analyte	Result	Units	RL	MRLC Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C								Date: 03/07
Sample ID: 8012318-02LCS	Sample Date: Date			Run: SVS270A1_070303A				03/30/07 07:00
Indeno(1,2,3-cd)pyrene	37.0	ug/L	20	26	124	8.3	40	
Isophorone	50.0	ug/L	20	37	28	23	40	
m+p-Cresols	36.0	ug/L	20	28	36	20	40	P
n-Nitroso-di-n-propylamine	44.0	ug/L	20	30	34	102	40	
n-Nitrosodiethylamine	37.0	ug/L	20	27	30	43	40	
n-Nitrosodimethylamine	34.0	ug/L	20	24	32	120	40	
Naphthalene	38.0	ug/L	20	28	37	86	40	
Nitrobenzene	40.0	ug/L	20	29	35	95	40	
o-Cresol	32.0	ug/L	20	27	31	76	40	
Pentachlorophenol	52.0	ug/L	100	58	34	117	40	
Phenanthrene	32.0	ug/L	20	29	36	115	40	
Phenol	43.0	ug/L	20	43	16	49	40	P
Pyrene	34.0	ug/L	20	26	35	113	40	
Pyridine	39.0	ug/L	20	20	17	36	40	
Surr: 2,4,6-Tribromophenol			20	20	21	120	0.0	40
Surr: 2-Fluorobiphenyl			20	21	23	107	0.0	40
Surr: 2-Fluorophenol			20	16	20	81	0.0	40
Surr: Nitrobenzene-d5			20	20	18	94	0.0	40
Surr: Phenol-d5			20	18	18	90	0.0	40
Surr: Terphenyl-d14			20	20	22	102	0.0	40

Sample ID: MB-040307	Method Blank		Run: SVS270A1_070303A				03/30/07 07:00
2,3,4,6-Tetrachlorophenol	ND	ug/L	10				
2,4,5-Trichlorophenol	ND	ug/L	10				
2,4,6-Trichlorophenol	ND	ug/L	10				
2,4-Dichlorophenol	ND	ug/L	10				
2,4-Dimethylphenol	ND	ug/L	10				
2,4-Dinitrophenol	ND	ug/L	10				
2,4-Dinitrotoluene	ND	ug/L	10				
2,6-Dinitrotoluene	ND	ug/L	10				
2-Chloronaphthalene	ND	ug/L	10				
2-Chlorophenol	ND	ug/L	10				
2-Methylnaphthalene	ND	ug/L	10				
2-Methylphenol	ND	ug/L	10				
2-Nitroaniline	ND	ug/L	10				
2-Nitrophenol	ND	ug/L	10				
3,3'-Dichlorobenzidine	ND	ug/L	20				
3,4-Benzofluoranthene	ND	ug/L	10				
3-Nitroaniline	ND	ug/L	10				
4,6-Dinitro-2-methylphenol	ND	ug/L	10				
4-Bromophenyl-phenylether	ND	ug/L	10				
4-Chloro-3-methylphenol	ND	ug/L	10				
4-Chloroaniline	ND	ug/L	10				
4-Chlorophenyl-phenylether	ND	ug/L	10				
4-Nitroaniline	ND	ug/L	10				
4-Nitrophenol	ND	ug/L	10				

Qualifiers:

RL - Analyte reported at or below the reporting limit.
P - Poor recovery and/or relative percent difference (RPD) between the analyte results of the primary and QC analyses indicate a lack of or erratic matrix performance.

ND - Not detected at the reporting limit.
R - RPD exceeds advisory limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 04/05/07
Work Order: B07031876

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 26147
Sample ID: MB-26147	Method Blank				Run: SV5973N.I_070404B				04/05/07 05:26
2,6-Dinitrotoluene	ND	ug/L	10						
2-Acetylaminofluorene	ND	ug/L	10						
2-Chloronaphthalene	ND	ug/L	10						
2-Chlorophenol	ND	ug/L	10						
2-Methylnaphthalene	ND	ug/L	10						
2-Naphthylamine	ND	ug/L	10						
2-Nitroaniline	ND	ug/L	10						
2-Nitrophenol	ND	ug/L	10						
2-Picoline	ND	ug/L	10						
3,3´-Dichlorobenzidine	ND	ug/L	20						
3,3´-Dimethylbenzidine	ND	ug/L	10						
3-Methylcholanthrene	ND	ug/L	10						
3-Nitroaniline	ND	ug/L	10						
4,6-Dinitro-2-methylphenol	ND	ug/L	50						
4-Aminobiphenyl	ND	ug/L	10						
4-Bromophenyl phenyl ether	ND	ug/L	10						
4-Chloro-2-methylphenol	ND	ug/L	10						
4-Chloro-3-methylphenol	ND	ug/L	10						
4-Chlorophenol	ND	ug/L	10						
4-Chlorophenyl phenyl ether	ND	ug/L	10						
4-Nitroaniline	ND	ug/L	10						
4-Nitrophenol	ND	ug/L	50						
4-Nitroquinoline-n-oxide	ND	ug/L	10						
5-Nitro-o-toluidine	ND	ug/L	10						
7,12-Dimethylbenz(a)anthracene	ND	ug/L	10						
a,a-Dimethylphenethylamine	ND	ug/L							P
Acenaphthene	ND	ug/L	10						
Acenaphthylene	ND	ug/L	10						
Acetophenone	ND	ug/L	10						
Aniline	ND	ug/L	10						
Anthracene	ND	ug/L	10						
Aramite	ND	ug/L	10						
Azobenzene	ND	ug/L	10						
Benzidine	ND	ug/L	20						
Benzo(a)anthracene	ND	ug/L	10						
Benzo(a)pyrene	ND	ug/L	10						
Benzo(b)fluoranthene	ND	ug/L	10						
Benzo(g,h,i)perylene	ND	ug/L	10						
Benzo(k)fluoranthene	ND	ug/L	10						
Benzyl alcohol	ND	ug/L	10						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.

GC/MS Summary Report

Client: Bulls Eye Pizza Wells Dept
Project: OH Landfill

Report Date: 04/05/07
Work Order: B0703178

Analyte	Result	Units	RL	MDL	Low Limit	High Limit	RPD	RPDLimit	Date
Method: SW8270C									Batch: 30747
Sample ID: MB-30747		Method Blank				Run: SV5970711_070405B			04/05/07 06:58
2,6-Dichlorobenzene	ND	ug/L	10						
2-Acetylaminofluorene	ND	ug/L	10						
2-Chloronaphthalene	ND	ug/L	10						
2-Chlorophenol	ND	ug/L	10						
2-Methylbenzaldehyde	ND	ug/L	10						
2-Naphthylamine	ND	ug/L	10						
2-Nitroaniline	ND	ug/L	10						
2-Nitrophenol	ND	ug/L	10						
3-Methylcholanthrene	ND	ug/L	10						
3,3'-Dichlorobenzidine	ND	ug/L	20						
3,3'-Dimethylbenzidine	ND	ug/L	10						
3-Methylphenol/4-Methylphenol	ND	ug/L	10						
3-Nitroaniline	ND	ug/L	10						
4,6-Dinitro-2-methylphenol	ND	ug/L	20						
4-Aminobiphenyl	ND	ug/L	10						
4-Bromophenyl phenyl ether	ND	ug/L	10						
4-Chloro-3-methylphenol	ND	ug/L	10						
4-Chloroaniline	ND	ug/L	10						
4-Chlorophenyl phenyl ether	ND	ug/L	10						
4-Nitroaniline	ND	ug/L	10						
4-Nitrophenol	ND	ug/L	20						
4-Nitroquinoline-1-oxide	ND	ug/L	10						
5-Nitro-o-toluidine	ND	ug/L	10						
7,12-Dimethylbenz(a)anthracene	ND	ug/L	10						
a,a,a-Trifluorotoluene	ND	ug/L							
Acenaphthene	ND	ug/L	10						
Acenaphthylene	ND	ug/L	10						
Acetophenone	ND	ug/L	10						
Aniline	ND	ug/L	10						
Anthracene	ND	ug/L	10						
Aramite	ND	ug/L	10						
Aroclor-1016	ND	ug/L	10						
Aroclor-1221	ND	ug/L	10						
Benzidine	ND	ug/L	20						
Benzo(a)anthracene	ND	ug/L	10						
Benzo(a)pyrene	ND	ug/L	10						
Benzo(b)fluoranthene	ND	ug/L	10						
Benzo(g,h,i)perylene	ND	ug/L	10						
Benzo(k)fluoranthene	ND	ug/L	10						
Benzyl alcohol	ND	ug/L	10						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

P - Pure product is more than linear. Analyte concentration may be known no matter the presence of non-linear or matrix modified analytical response.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 04/05/07
Work Order: B07031876

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 26147
Sample ID: MB-26147	Method Blank				Run: SV5973N.I_070404B				04/05/07 05:26
bis(-2-chloroethoxy)Methane	ND	ug/L	10						
bis(-2-chloroethyl)Ether	ND	ug/L	10						
bis(2-chloroisopropyl)Ether	ND	ug/L	10						
bis(2-ethylhexyl)Phthalate	ND	ug/L	10						
Butylbenzylphthalate	ND	ug/L	10						
Chlorobenzilate	ND	ug/L	10						
Chrysene	ND	ug/L	10						
Diallate	ND	ug/L	10						
Dibenzo(a,h)anthracene	ND	ug/L	10						
Dibenzofuran	ND	ug/L	10						
Diethyl phthalate	ND	ug/L	10						
Dimethoate	ND	ug/L	10						
Dimethyl phthalate	ND	ug/L	10						
Di-n-butyl phthalate	ND	ug/L	10						
Di-n-octyl phthalate	ND	ug/L	10						
Diphenylamine	ND	ug/L	10						
Disulfoton	ND	ug/L	10						
Ethyl methanesulfonate	ND	ug/L	10						
Famphur	ND	ug/L	10						
Fluoranthene	ND	ug/L	10						
Fluorene	ND	ug/L	10						
Hexachlorobenzene	ND	ug/L	10						
Hexachlorobutadiene	ND	ug/L	10						
Hexachlorocyclopentadiene	ND	ug/L	20						
Hexachloroethane	ND	ug/L	10						
Hexachlorophene	ND	ug/L							P
Hexachloropropene	ND	ug/L	10						
Indeno(1,2,3-cd)pyrene	ND	ug/L	10						
Isophorone	ND	ug/L	10						
Isosafrole	ND	ug/L	10						
m+p-Cresols	ND	ug/L	10						
Methapyrilene	ND	ug/L							P
Methyl methanesulfonate	ND	ug/L	10						
Methyl parathion	ND	ug/L	10						
Naphthalene	ND	ug/L	10						
Nitrobenzene	ND	ug/L	10						
n-Nitrosodiethylamine	ND	ug/L	10						
n-Nitrosodimethylamine	ND	ug/L	10						
n-Nitroso-di-n-butylamine	ND	ug/L	10						
n-Nitroso-di-n-propylamine	ND	ug/L	10						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 04/05/07
Work Order: B07031876

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 26147
Sample ID: MB-26147	Method Blank				Run: SV5973N.I_070404B				04/05/07 05:26
n-Nitrosodiphenylamine	ND	ug/L	10						
n-Nitrosomethylethylamine	ND	ug/L	10						
n-Nitrosomorpholine	ND	ug/L	10						
n-Nitrosopiperidine	ND	ug/L	10						
n-Nitrosopyrrolidine	ND	ug/L	10						
o,o,o-Triethyl phosphorothioate	ND	ug/L	10						
o-Cresol	ND	ug/L	10						
o-Toluidine	ND	ug/L	10						
p-(dimethylamino)Azobenzene	ND	ug/L	10						
Parathion	ND	ug/L	10						
p-Chloroaniline	ND	ug/L	10						
Pentachlorobenzene	ND	ug/L	10						
Pentachloronitrobenzene	ND	ug/L	10						
Pentachlorophenol	ND	ug/L	50						
Phenacetin	ND	ug/L	10						
Phenanthrene	ND	ug/L	10						
Phenol	ND	ug/L	10						
Phorate	ND	ug/L	10						
Pronamide	ND	ug/L	10						
Pyrene	ND	ug/L	10						
Pyridine	ND	ug/L	10						
Safrole	ND	ug/L	10						
Sulfotep	ND	ug/L	10						
Thionazin	ND	ug/L	10						
Surr: 2,4,6-Tribromophenol			10	71	26	116			
Surr: 2-Fluorobiphenyl			10	76	25	94			
Surr: 2-Fluorophenol			10	46	11	67			
Surr: Nitrobenzene-d5			10	63	19	102			
Surr: Phenol-d5			10	41	15	54			
Surr: Terphenyl-d14			10	86	39	106			
Sample ID: App2A-26147	Laboratory Control Sample				Run: SV5973N.I_070404B				04/05/07 05:57
1,2,4,5-Tetrachlorobenzene	72.3	ug/L	10	72	15	124			
1,3-Dinitrobenzene	87.6	ug/L	10	88	24	136			
1,4-Naphthoquinone	82.7	ug/L	10	83	59	103			
2,3,4,6-Tetrachlorophenol	68.8	ug/L	10	69	10	123			
2,6-Dichlorophenol	69.9	ug/L	10	70	12	133			
2-Acetylaminofluorene	82.8	ug/L	10	83	39	130			
3-Methylcholanthrene	72.3	ug/L	10	72	10	183			
7,12-Dimethylbenz(a)anthracene	76.0	ug/L	10	76	30	130			
Aramite	81.1	ug/L	10	81	15	152			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 04/05/07
Work Order: B07031876

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 26147
Sample ID: App2A-26147	Laboratory Control Sample				Run: SV5973N.I_070404B				04/05/07 05:57
Chlorobenzilate	72.5	ug/L	10	73	36	128			
Diallate	84.8	ug/L	10	85	10	157			
Dibenzofuran	88.6	ug/L	10	89	43	94			
Dimethoate	86.5	ug/L	10	87	15	151			
Disulfoton	83.9	ug/L	10	84	10	159			
Ethyl methanesulfonate	67.8	ug/L	10	68	10	143			
Hexachloropropene	60.7	ug/L	10	61	10	131			
Isosafrole	77.9	ug/L	10	78	27	114			
Methyl methanesulfonate	46.3	ug/L	10	46	14	123			
Methyl parathion	109	ug/L	10	109	15	159			
o,o,o-Triethyl phosphorothioate	73.6	ug/L	10	74	31	108			
Parathion	94.0	ug/L	10	94	31	137			
Pentachlorobenzene	78.6	ug/L	10	79	15	127			
Phorate	82.8	ug/L	10	83	16	153			
Safrole	79.6	ug/L	10	80	28	113			
Sulfotep	81.4	ug/L	10	81	15	135			
Thionazin	86.6	ug/L	10	87	25	147			
Surr: 2,4,6-Tribromophenol			10	72	26	116			
Surr: 2-Fluorobiphenyl			10	71	25	94			
Surr: 2-Fluorophenol			10	41	11	67			
Surr: Nitrobenzene-d5			10	65	19	102			
Surr: Phenol-d5			10	39	15	54			
Surr: Terphenyl-d14			10	74	39	106			
Sample ID: App2B-26147	Laboratory Control Sample				Run: SV5973N.I_070404B				04/05/07 06:28
1,3,5-Trinitrobenzene	112	ug/L	10	112	28	77			S
1-Naphthylamine	109	ug/L	10	109	10	111			
2-Naphthylamine	104	ug/L	10	104	10	120			
2-Picoline	58.0	ug/L	10	58	13	93			
3,3´-Dimethylbenzidine	81.4	ug/L	10	81	10	116			
4-Aminobiphenyl	104	ug/L	10	104	20	131			
4-Nitroquinoline-n-oxide	107	ug/L	10	107	26	149			
5-Nitro-o-toluidine	116	ug/L	10	116	29	131			
Acetophenone	96.3	ug/L	10	96	17	144			
Diphenylamine	106	ug/L	10	106	31	140			
n-Nitrosodiethylamine	90.0	ug/L	10	90	18	130			
n-Nitroso-di-n-butylamine	99.2	ug/L	10	99	21	159			
n-Nitrosomethylethylamine	80.8	ug/L	10	81	14	114			
n-Nitrosomorpholine	89.4	ug/L	10	89	10	165			
n-Nitrosopiperidine	102	ug/L	10	102	23	148			
n-Nitrosopyrrolidine	96.0	ug/L	10	96	10	150			

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 04/05/07
Work Order: B07031876

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 26147
Sample ID: App2B-26147	Laboratory Control Sample				Run: SV5973N.I_070404B				04/05/07 06:28
o-Toluidine	99.5	ug/L	10	100	10	136			
p-(dimethylamino)Azobenzene	119	ug/L	10	119	40	143			
Pentachloronitrobenzene	109	ug/L	10	109	10	172			
Phenacetin	109	ug/L	10	109	30	143			
Pronamide	111	ug/L	10	111	30	145			
Surr: 2,4,6-Tribromophenol			10	88	26	116			
Surr: 2-Fluorobiphenyl			10	81	25	94			
Surr: 2-Fluorophenol			10	49	11	67			
Surr: Nitrobenzene-d5			10	80	19	102			
Surr: Phenol-d5			10	40	15	54			
Surr: Terphenyl-d14			10	93	39	106			

Qualifiers:
RL - Analyte reporting limit.
ND - Not detected at the reporting limit.

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Energy Laboratories Inc

Sample Receipt Checklist

Client Name: **Butte Silver Bow Public Works Dept**

Date and Time Received: **3/26/2007**

Work Order Number **B07031876**

Received by: smr

Login completed by: Krystal McDonald (Signature) 3/26/2007 (Date)

Reviewed by: Denise Ruby (Initials) 3/26/2007 (Date)

Carrier name: UPS ARS Ground

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	4 °C On Ice
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Adjusted? _____ Checked by _____

Contact and Corrective Action Comments:

None

Energy Laboratories Inc

Analyze Reader Checklist

Client Name: Bozeman Billings Glen Public Works Dept. Date and Time Received: 2/28/2007

Work Order Number: 0703018-01A Received by: sms

Login completed by: Kristine McDonald 3/28/2007 Reviewed by: Dennis Ruby 3/28/2007

Signature Date Initials Date

Carrier name: UPS Next Day Air

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	4°C On Ice
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Adjusted? _____ Checked by _____

Corrective Action Comments:

None

Atlantic Richfield Company
bp
A BP affiliated company

Chain of Custody Record

164515

Project Name: Old Butte Silver Bow Landfill
BP BU/AR Region/Enfos Segment:
State or Lead Regulatory Agency: MDEQ
Requested Due Date (mm/dd/yy):

Page____ of ____.

On-site Time:		Temp:
Off-site Time:		Temp:
Sky Conditions:		
Meteorological Events:		
Wind Speed:		Direction:

Lab Name: MSE-TA	BP/AR Facility No.:	Consultant/Contractor: Pioneer Technical Services
Address: 200 Technology Way Butte, MT 59701	BP/AR Facility Address:	Address: 63 1/2 W Broadway Butte, MT
	Site Lat/Long:	
Lab PM: Marcee Cameron	California Global ID No.:	Consultant/Contractor Project No.: 7002
Tele/Fax: 494-7100	Enfos Project No.:	Consultant/Contractor PM: Shawn Busch
BP/AR EBM:	Provision or OOC (circle one)	Tele/Fax: 406-563-9371
Address:	Phase/WBS:	Report Type & QC Level:
	Sub Phase/Task:	E-mail EDD To: Brad Wellman
Tele/Fax:	Cost Element:	Invoice to: Consultant or BP or Atlantic Richfield Co. (circle one)

Lab Bottle Order No:

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Water/Liquid	Air		Laboratory No.	No. of Containers	Preservative: Unpreserved	H_2SO_4	HNO_3	HCl	Methanol		Requested Analysis: TPH-GRO/DRO	DMW									Sample Point Lat/Long and Comments
1	BSB-GW-05	1630	3/21/07		✓				2	1		1				✓	✓									
2	BSB-GW-06	1600	3/21/07		✓				2	1		1				✓	✓									
3	BSB-GW-08	1615	3/21/07		✓				2	1		1				✓	✓									
4	BSB-GW-09	1700	3/21/07		✓				2	1		1				✓	✓									No QA/QC
5																										
6																										As, Sb, Pb, Ba, Be, Cd, Cr
7																										Cu, Fe, Pb, Hg, Ni, Se
8																										Ag, Tl, V, Zn
9																										
10																										

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Julie Flammang						
Sampler's Company: Pioneer Technical Services	Julie Flammang / PTS	3/22/07	1440	Jason Ward / MSE TA	3/22/07	1440
Shipment Date: 3/22/07						
Shipment Method: Hand Delivered						
Shipment Tracking No:						

Special Instructions: Hand Delivered in Cooler

Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 0.0-15°F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

Consultant/Contractor

BP COC Rev. 5 10/11/2006

Instructions for Completing Chain Of Custody

AR = Atlantic Richfield Company, a BP affiliated company

Page ___ of ___ *(Self explanatory)*

Project Name *(Assigned by BP/AR and provided to Laboratory by BP/AR or the Consultant/Contractor, whoever is completing the COC)*
BP BU/AR Region/Enfos Segment *(BP Business Unit or the AR Region [e.g., East Coast, Midwest, West Coast] and the Enfos Segment [e.g., Retail, Refining, OBC Mining])*
State or Lead Regulatory Agency *(State samples were collected in or lead regulatory agency especially where state or agency has specific laboratory requirements)*
Requested Due Date (mm/dd/yy) *(The date data is required – if fast turn is required the lab should be notified in advance to insure their capability to meet deadline)*
On-site Time and Temperature *(Self explanatory)*
Off-site Time and Temperature *(Self explanatory)*
Sky Conditions *(Clear, Partly Cloudy, Overcast)*
Meteorological Events *(Thunderstorms, Rain, Hail, Sleet, Snow, etc.)*
Wind Speed *(Approximate speed – mph or knots)* **Direction** *(The direction from which the wind is blowing)*

Lab Name *(Self explanatory)*
Lab Address *(Self explanatory – please include city, state and zip)*
Lab PM *(Laboratory project manager or primary contact)*
Tele/Fax: *(Lab telephone and fax numbers)*

BP/AR EBM *(EBM or project manager)*
Address *(Self explanatory – please include city, state and zip)*
Tele/Fax *(BP/AR PM telephone and fax numbers)*

BP/AR Facility No. *(Self explanatory)*
BP/AR Facility Address *(Self explanatory – please include city, state and zip)*
Site Lat/Long *(Latitude and longitude of site [include datum] / as required by regulatory agencies)*
California Global ID Mo. (Specific requirement for California Retail sites)
Enfos Project No. *(Self explanatory)*
Provision or OOC *(Circle one)*
Phase/WBS *(Enfos Phase or Work Breakdown Structure)*
Sub Phase/Task *(Enfos Sub Phase and Task)*
Cost Element *(Enfos Cost Element)*

Consultant/Contractor *(Consultant/contractor company name)*
Address *(Self explanatory – please include city, state and zip)*
Consultant/Contractor Project No. *(Number used by consultant for project)*
Consultant/Contractor PM (Consultant/contractor project manager)
Tele/Fax *(Consultant/contractor's telephone and fax numbers)*
Report Type and QC Level *(As stated in DQOs for project)*
E-mail EDD To *(Consultant must provide e-mail address when e-mail deliverable is required)*
Invoice to: Consultant/Contractor or BP or Atlantic Richfield Co. *(Circle company that invoice should be sent to)*

Lab Bottle Order Number *(Number on laboratory bottle order sheet)*

Sample Description *(Sample name, number, or other identification)*
Time and Date *(Time and date sample was collected - must be completed)*
Matrix *(Check appropriate box to indicate sample matrix)*
Laboratory No. *(Filled in at lab by lab personnel)*
No. of Containers *(Number of sample containers containing this sample)*
Preservative *(Check sample preservation or fill in blank if an unlisted preservative is used)*
Requested Analysis *(Enter and check requested analyses for each sample)*
Sample Point Lat/Long and Comments *(Latitude and longitude [include datum] as required by regulatory agencies, or other pertinent information about sample such as "on hold" or special reporting limits)*

Sampler's Name (Sampler's first and last name)
Samplers Company *(Self explanatory)*
Shipment Date *(Actual date of shipment if samples are shipped)*
Shipment Method *(FedEx, UPS, Greyhound, Slow Boat, etc.)*
Shipment Tracking No. *(Shipping number from lading ticket or air bill)*
Relinquished By / Affiliation *(Signature and company of person relinquishing custody of samples)*
Date and Time *(Date and time samples are relinquished)*
Accepted By / Affiliation *(Signature and company of person accepting custody of samples)*
Date and Time *(Date and time samples are accepted)*
Special Instructions *(Information as necessary such as special reporting limits [e.g., NPDES] that apply to all samples, etc.)*

Custody Seals, Temp Blank, Cooler Temp on Receipt, Trip Blank, MS/MSD Sample Submitted *(Laboratory personnel must complete this information upon receipt of samples)*

FORM MSE-169
(Init. 06/06)

MSE Technology Applications, Inc.
Laboratory Services

CHAIN OF CUSTODY

PROJECT ID: Old Landfill 7002

LABORATORY PERFORMING ANALYSIS: MSE/HKM

SAMPLERS (Signature): Julie Flammang

ANALYSIS REQUESTED

SAMPLE ID	LAB ID	DATE	TIME	pH, SC, Cl, SO4, NO2/NO3	CN-	COD	Dm-Cd, Cr, Cu, Fe, Pb, Hg, Ni, Se, Ag, Tl, Zn	Sulfide	
BSB-GW-01		3/21/07	1515	X	X	X	X	X	
BSB-GW-02		↓	1255	X	X	X		X	
BSB-GW-03		↓	1135	X	X	X		X	
BSB-GW-04		↓	1400	X	X	X		X	

REMARKS

Turnaround Time (TAT)

☒ Standard TAT

☐ Rush TAT (please contact laboratory personnel for arrangements)

handdelivered in cooler
0.0°C - 1.5°C

Results to ~~Sha~~ Shawn Risch, PTS

RELINQUISHED BY (Signature)	DATE	TIME	RECEIVED BY (Signature)	DATE	TIME
Julie Flammang	3/22/07	1440	Sara Ward	3/22/07	1440
PRINTED NAME: Julie Flammang	COMPANY: Pioneer		PRINTED NAME: Sara Ward	COMPANY: MSE-TA	
RELINQUISHED BY (Signature)	DATE	TIME	RECEIVED BY (Signature)	DATE	TIME
PRINTED NAME	COMPANY		PRINTED NAME	COMPANY	
RELINQUISHED BY (Signature)	DATE	TIME	RECEIVED BY (Signature)	DATE	TIME
PRINTED NAME	COMPANY		PRINTED NAME	COMPANY	

COMMENTS
Invoice to:
Gary Keeler,
BSB Public Works Dept
126 W. Granite
Butte Mt

MSE LABORATORY SERVICES
200 Technology Way, P.O. Box 4078
Butte, MT 59701
PH: (406) 494-7334 / FAX: (406) 494-7230

PIONEER
TECHNICAL SERVICES, INC.

P.O. BOX 3445 BUTTE, MONTANA 59702
PHONE (406) 782-5177 FAX (406) 782-5866
e-mail pioneer@in-tch.com internet www.pioneer-technical.com

December 01, 2006

Mr. Pat Crowley
MDEQ/Permitting and Compliance Division
P.O Box 200901
Helena, MT 59620

RECEIVED
DEC - 4 2006
DEPT. OF ENVIRO. QUALITY
WASTE & UNDERGROUND TANK
MANAGEMENT BUREAU

Dear Pat,

Enclosed are the analytical results and supporting documentation (including an update of statistics) for the latest groundwater sampling conducted at the old Butte-Silver Bow County Landfill; the samples were collected on September 05, 2006 as part of the assessment monitoring requirements.
All of the organic analysis was sent to ELI in Billings.

Feel free to call me at 782-5177 with any questions or concerns you may have regarding the enclosed data.

Sincerely,

Brad Hollamon

Brad Hollamon
Senior Technician

Encl.

cc. Gary Keeler, BSB Landfill Manager
Shawn Bisch, Pioneer Technical Services Inc.

RECEIVED
DEC 04 2006
Dept. of Enviro. Quality
Waste & Underground
Tank Management Bureau

100% post-consumer paper & 100% vegetable based inks

OLD SILVER BOW LANDFILL
SEPTEMBER 2006 GROUNDWATER MONITORING

The September 2006 round of sampling at the Old Silver Bow Landfill included sampling for the full Table 2 list of analytics in accordance with the Assessment Monitoring program. Table 1, attached, summarizes the analytical results. The discussion below compares these data to previous results and to current Maximum Contaminant Levels (MCLs) and Montana Human Health Standards (HHSs).

Well MBMG-2 (up gradient):

No semi-volatiles, chlorinated acids, or pesticides were detected in the well during this sampling event. One volatile compound was detected, Chloroform at (0.45 J µg/L ELI). There were two metals detected above the mean, Se (0.002 mg/L) and V (0.0102 mg/L) during this sampling event. Metals detected below the mean are; As (0.0018 mg/L), Ba (0.138 mg/L) . Nitrate/nitrite (3.39 mg/L), Sulfate (148 mg/L) and Chloride (55 mg/L) were detected at concentrations below the mean.

Well BSB-A1 (North):

Three volatile organic compounds were detected in this well during this sampling event, cis-1,2-Dichloroethene (ELI 0.35 J µg/L), Tetrachloroethene (ELI 0.80 J µg/L) and Trichloroethene (ELI 0.18 J µg/L). No other semi-volatiles, chlorinated acids, or pesticides were detected. In accordance with the modified assessment-monitoring program, a sample for metals analyses was not collected from this well.
There were no compounds detected at levels above the mean. Nitrate/Nitrite (0.34 mg/L), Chloride (16.0 mg/L) and sulfate (82 mg/L) were detected at levels below the mean.
No MCL or HHS exceedences were observed in this well during this sampling event.

Well BSB-A5 (Northeast Well):

Three volatile organic compounds were detected in this well during this sampling event, cis-1,2-Dichloroethene (ELI 1.20 µg/L), Trichloroethene (ELI 0.22 J µg/L) and Tetrachloroethane (ELI 0.78 J µg/L). In accordance with the modified assessment-monitoring program, a sample for metals analyses was not collected from this well.
Chloride (32.0 mg/L), Nitrate/Nitrite (4.24 mg/L) and sulfate (693 mg/L) were detected at levels above the mean for this well. Sulfate exceeds the secondary USEPA MCL of 250 mg/L.

Well BSB-A6-R (Central Well):

Well BSB-A6-R is the replacement well for BSB-A6, removed during the construction of Timber Butte Youth Park.Ten volatile organic compounds (VOC's) were detected in this well; six of the ten were detected at levels below the quantification limit. The ten volatile organic compounds were as follows:

- Benzene (0.45 J ug/L);
- Chloroethane (0.44 J ug/L);
- Dichlorodifluoromethane (1.80 ug/L);
- 1,1-DCE (1.80 ug/L);
- Cis-1,2-DCE (11.0 ug/L);
- 1,2-Dichloropropane (0.54 J ug/L);
- Methylene Chloride (0.29 J ug/L);
- Tetrachloroethene (0.38 J ug/L);
- Trichloroethene (0.80 J ug/L);
- Vinyl Chloride (5.30 ug/L).

OLD SILVER BOW LANDFILL
SEMI-ANNUAL 2026 GROUNDWATER MONITORING

The September 2026 round of sampling at the Old Silver Bow Landfill included sampling for the full Table 1 list of analytes in accordance with a Administrative Order of Consent. Table 1, attached, summarizes the analytical results. The discussion below compares these data to previous results and to current Maximum Contaminant Levels (MCLs) and Montana Health Standards (HS).

Well MHMC-2 (upgradient)

No semi-volatiles, chlorinated acids, or pesticides were detected in the well during this sampling event. One volatile compound was detected: Chloroform at (0.013 µg/L, DL1). There were two metals detected above the mrdl: Se (0.002 mg/L) and V (0.0102 mg/L) during this sampling event, metals detected below the mrdl were As (0.0018 mg/L), Ba (0.128 mg/L), Nitrate-nitrite (3.39 mg/L), Sulfate (148 mg/L) and Chloride (33 mg/L) were detected at concentrations below the mrdl.

Well MSB-A1 (Nearby)

Three volatile organic compounds were detected in this well during this sampling event, cis-1,2-Dichloroethene (DL1 0.35 µg/L), Trichloroethene (DL1 0.30 µg/L) and Tetrachloroethene (DL1 0.19 µg/L). No other semi-volatiles, chlorinated acids, or pesticides were detected. In accordance with the revised monitoring program, a sample for metals analysis was not collected from this well.
Three metals were detected above mrdl levels: Nitrate-nitrite (9.34 mg/L), Chloride (16.0 mg/L) and sulfate (82 mg/L) were detected at levels below the mrdl.
No MCL or HS exceedances were observed in this well during this sampling event.

Well MSB-A8 (Downgradient)

Three volatile organic compounds were detected in this well during this sampling event, cis-1,2-Dichloroethene (DL1 1.29 µg/L), Trichloroethene (DL1 0.32 µg/L) and Tetrachloroethene (DL1 0.78 µg/L). In accordance with the modified monitoring program, a sample for metals analysis was not collected from this well.
Chloride (72.0 mg/L), Nitrate-nitrite (4.24 mg/L) and sulfate (693 mg/L) were detected at levels above the mrdl for this well. Sulfate exceeds the secondary DSWA MCL of 250 mg/L.

Well MSB-A9-R (Central WQC)

Well MSB-A9-R is the replacement well for DSB-A9, removed during the construction of Timber Butte Village. Two volatile organic compounds (VOCs) were detected in this well: six of the six were detected at levels below the laboratory reporting limit. The six volatile organic compounds were as follows:

- Benzene (0.447 µg/L)
- Chlorobenzene (0.44 µg/L)
- Dichlorodifluoromethane (1.40 µg/L)
- 1,1-DCE (1.80 µg/L)
- Cis-1,2-DCE (1.0 µg/L)
- 1,2-Dichloropropane (0.34 µg/L)
- Methylene Chloride (0.29 µg/L)
- Tetrachloroethene (0.38 µg/L)
- Trichloroethene (0.40 µg/L)
- Vinyl Chloride (1.20 µg/L)

No other semi-volatiles, chlorinated acids, or pesticides were detected. In accordance with the modified assessment-monitoring program, a sample for metals analyses was not collected from this well.

Chloride (50 mg/L) was detected below the mean value of 54.22 mg/L. Sulfate (860 mg/L) was also detected, but was well below previous results. Sulfate exceeds the secondary USEPA MCL of 250 mg/L.

Well CLK-1 (Clark Tailings North Well):

In accordance with the modified assessment-monitoring program, no samples for organic analyses were collected from this well. The measured concentrations of the majority of metals were relatively low; the detected concentrations of arsenic (0.0771 mg/L), cadmium (0.0138 mg/L), nickel (0.129 mg/L) and iron (19.4 mg/L), exceed US EPA MCL or Montana HHS standards. Zn (89.0 mg/L) was also detected at a fairly high level in this well.
Sulfate was detected at a concentration of 1430 mg/L, which exceeds the secondary MCL for this compound. Chloride was also detected (33 mg/L), with a mean value of 35 mg/L.

Well CLK-2 (Clark Tailings East Well):

In accordance with the modified assessment-monitoring program, no samples for organic analyses were collected from this well. The measured concentrations of the majority of metals were relatively low; the detected concentrations of arsenic (0.0020 mg/L),and zinc (0.695 mg/L) were low respective to MCLs, secondary MCLs, or Montana HHS concentrations for these metals. Nickel (0.0322 mg/L) was also detected in this well above the mean value.
Sulfate was detected at a concentration of 722 mg/L, which exceeds the secondary MCL for this compound.

Conclusion:

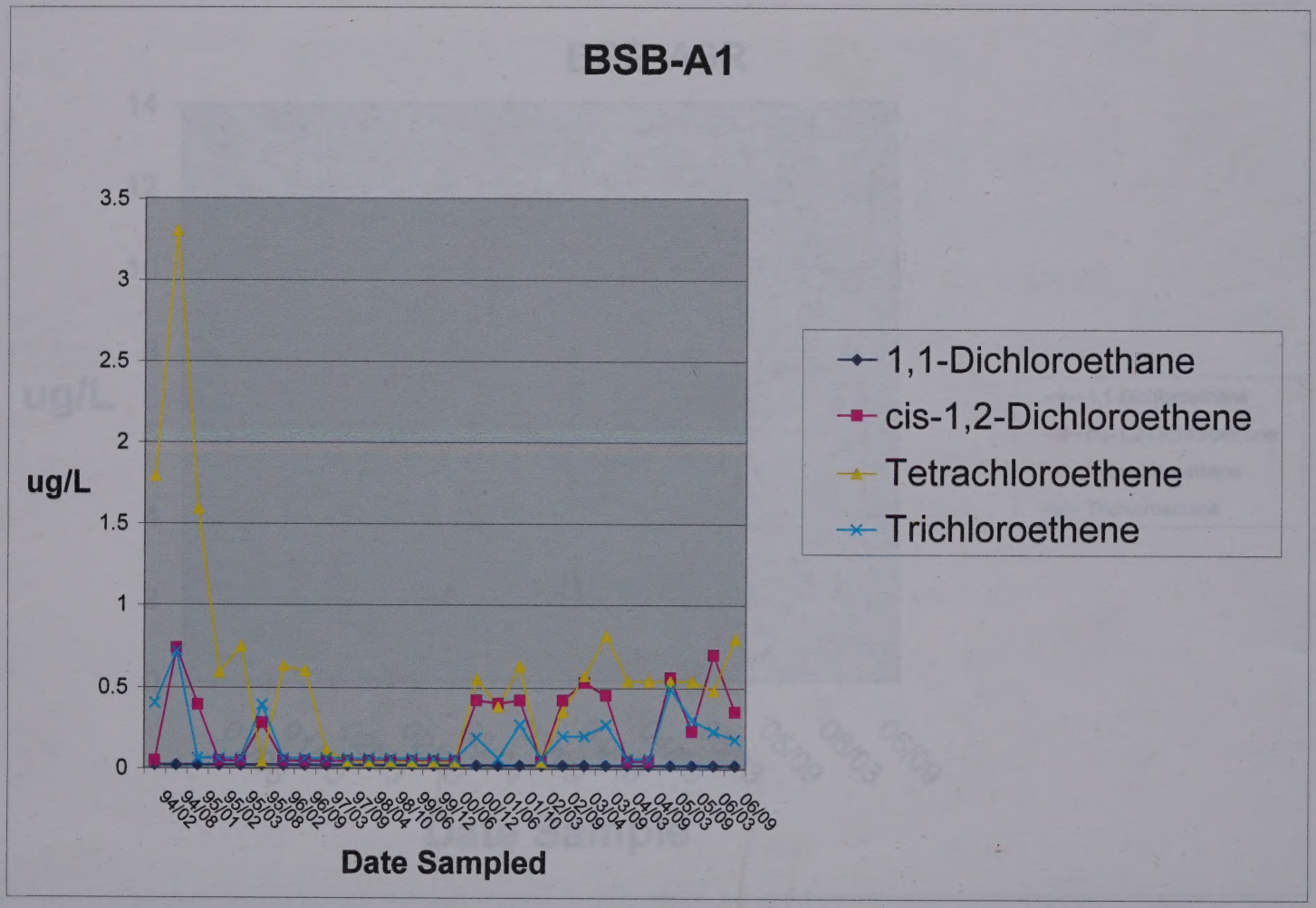
The September 2006 sampling event at the Old Butte-Silver Bow Landfill included sampling according to the modified assessment-monitoring program (see Table 2 for analytical data). The results for metals, inorganics, and organic contaminants obtained from this sampling event were comparable to previous results.

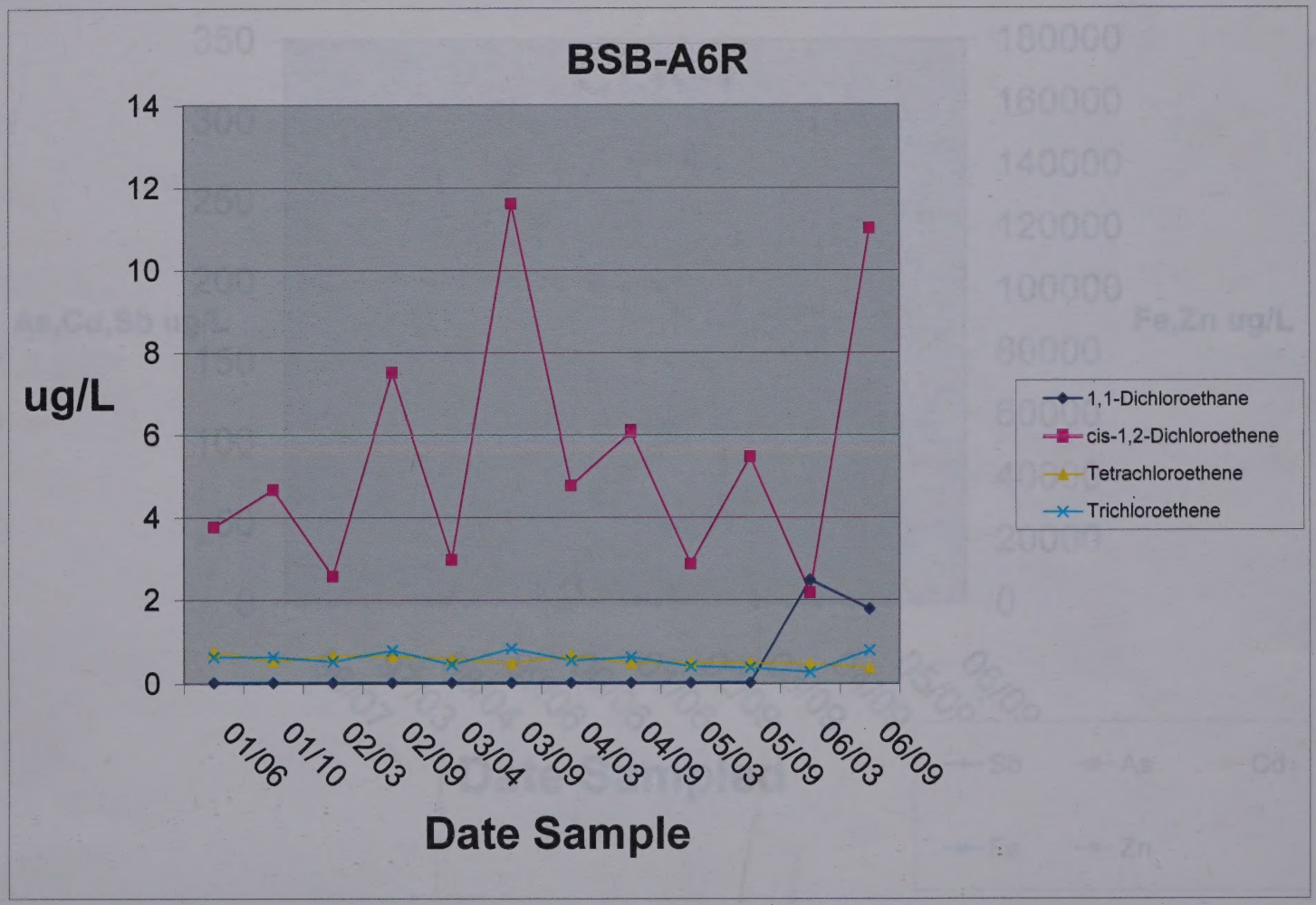
TABLE I: ANALYTICAL DATA FOR GROUNDWATER SAMPLES, OLD SILVER BOW COUNTY LANDFILL
DATE SAMPLED: September, 5 2006

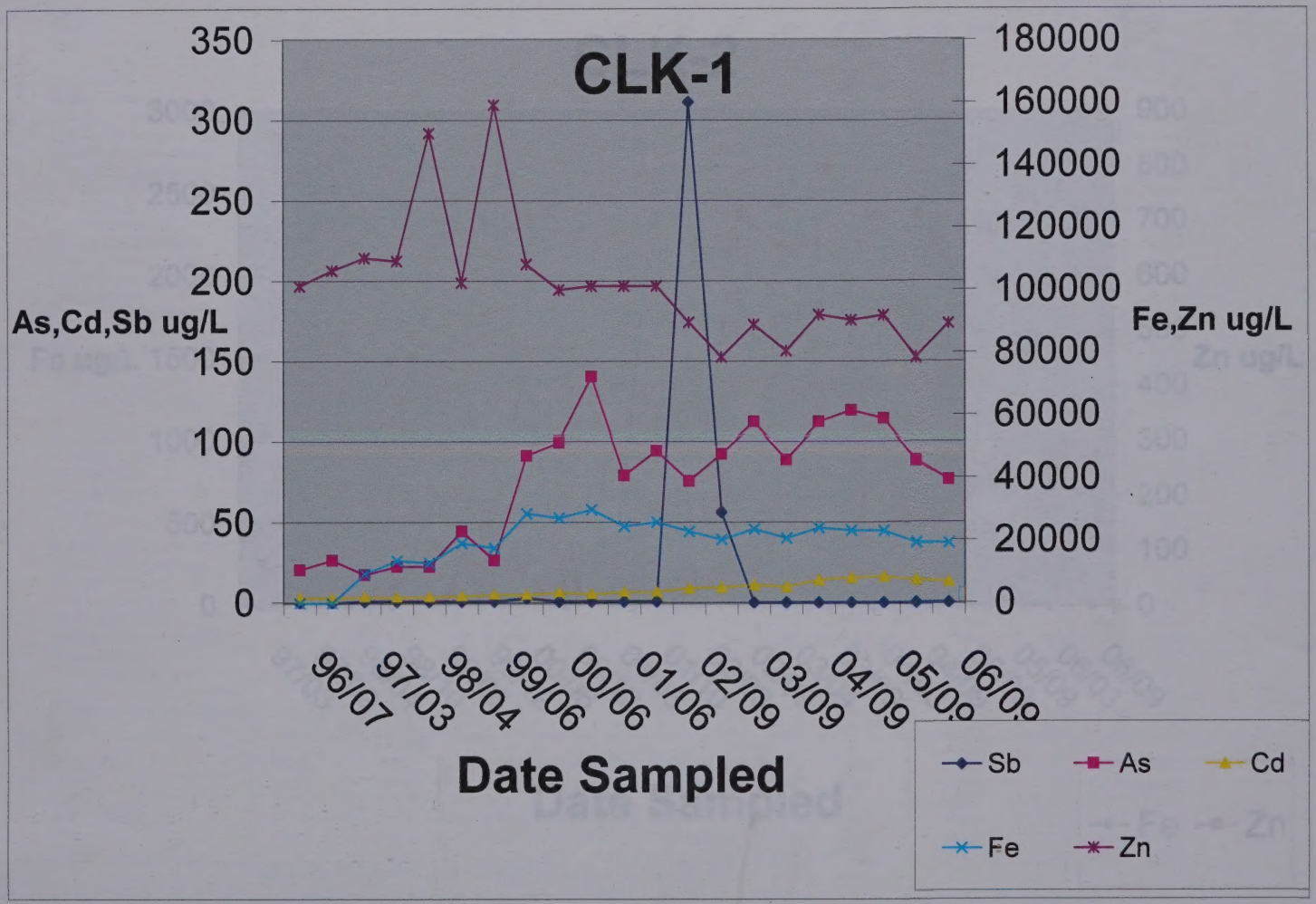
SAMPLE NUMBER / WELL / ANALYTE (units):	BSB-GW-O1 MBMG-2	BSB-GW-O2 BSB-A1	BSB-GW-O4 BSB-A5	BSB-GW-O5 BSB-A6-R	BSB-GW-O6 CLK-1	BSB-GW-O7 CLK-2	GW PROTECTION STANDARDS USEPA MCL*	GW PROTECTION STANDARDS MONTANA HHS	GW PROTECTION STANDARDS USEPA MCL*	GW PROTECTION STANDARDS MONTANA HHS
DISSOLVED METALS (mg/L)										
Antimony	< 0.0003	NR	NS	NR	< 0.0003	< 0.0003	0.006	0.014	0.006	0.014
Arsenic	0.00175	NR	NS	NR	0.0771	0.0020	0.05	0.018	0.05	0.018
Barium	0.138	NR	NS	NR	0.0277	0.0020	2	1	2	1
Beryllium	< 0.00005	NR	NS	NR	0.00046	< 0.00005	0.004	0.040	0.004	0.040
Cadmium	< 0.00010	NR	NS	NR	0.0138	< 0.00010	0.005	0.005	0.0050	0.0050
Chromium	< 0.0200	NR	NS	NR	< 0.04	< 0.0200	0.1	0.1	0.1	0.1
Cobalt	not reported	NR	NS	NR	not reported	not reported	---	---	---	---
Copper	< 0.003	NR	NS	NR	< 0.006	0.0078	1.3 (a)	1	1.3 (a)	1
Iron	< 0.015	NR	NS	NR	19.4	< 0.0150	0.3 (s)	0.3	0.3	0.3
Lead	0.00066	NR	NS	NR	0.00033	0.00037	0.015 (a)	0.015	0.015 (a)	0.015
Mercury	< 0.0001	NR	NS	NR	< 0.0001	< 0.0001	0.002	0.00014	0.002	0.00014
Nickel	< 0.025	NR	NS	NR	0.1290	0.0322	0.1	0.1	0.1	0.1
Selenium	0.00224	NR	NS	NR	0.01010	0.00371	0.05	0.05	0.05	0.05
Silver	< 0.0008	NR	NS	NR	< 0.0008	< 0.0008	0.1 (s)	---	0.1	---
Thallium	0.00006	NR	NS	NR	0.00008	0.00009	0.002	0.0017	0.002	0.0017
Tin	NR	NR	NS	NR	NR	NR				
Vanadium	0.0102	NR	NS	NR	< 0.010	< 0.0050	---	---	---	---
Zinc	< 0.01	NR	NS	NR	89	0.695	5 (s)	5	5	5
INORGANICS (mg/L)										
Chloride	55	16	32	50	33	64	250 (s)	---	250	---
COD	< 10.0	< 10.0	< 10	< 10	NR	NR	---	---	---	---
Conductivity (umhos/cm)	773	488	1570	2050	2410	1820	---	---	---	---
Cyanide	< 0.005	< 0.005	< 0.005	< 0.005	NR	NR	---	---	---	---
Nitrate\Nitrite - N	3.39	0.342	4.24	< 0.05	< 0.05	< 0.05	10	---	10	---
pH	7.10	7.20	6.50	6.30	6.00	6.40				
Sulfate	148	82	693	860	1430	722	250 (s)	---	250	---
Sulfide	NR	NR	NR	NR	NR	NR				
EPA METHOD 8260 (ug/L)										
Acetone	< 20.0	< 20.0	< 20.0	< 20.0	NR	NR				
Benzene	< 1.0	< 1.0	< 1.0	(ELI 0.45 J)< 1.0	NR	NR				
Carbon Disulfide	< 1.0	< 1.0	< 1.0	< 1.0	NR	NR	---	---	---	---
Chloroethane	< 1.0	< 1.0	< 1.0	(ELI 0.44 J)< 1.0	NR	NR				
Chloroform	(ELI 0.45J)< 1.0	< 1.0	< 1.0	< 1.0	NR	NR	---	57	---	57
Chlormethane	< 1.0	< 1.0	< 1.0	< 1.0	NR	NR				
Dichlorodiflouromethane	< 1.0	< 1.0	< 1.0	1.8	NR	NR				
1,1-Dichloroethane	< 1.0	< 1.0	< 1.0	1.8	NR	NR				
1,2-Dichloroethane	< 1.0	< 1.0	< 1.0	< 1.0	NR	NR				
cis-1,2-Dichloroethene	< 1.0	(ELI 0.35J)< 1.0	1.2	11.0	NR	NR	70	70	70	70
1,2-Dichloropropane	< 1.0	< 1.0	< 1.0	(ELI 0.54 J)< 1.0	NR	NR				
4-Isopropyltoluene	< 1.0	NR	NR	NR	NR	NR				
Methylene Chloride	< 1.0	< 1.0	< 1.0	(ELI 0.29 J)< 1.0	NR	NR				
Naphthalene	< 1.0	< 1.0	< 1.0	< 1.0	NR	NR				
Tetrachloroethene	< 1.0	(ELI 0.80J)< 1.0	(ELI 0.78 J)< 1.0	(ELI 0.38J)< 1.0	NR	NR	5	8	5	8
Trichloroethene	< 1.0	(ELI 0.18J)< 1.0	(ELI 0.22 J)< 1.0	(ELI 0.80 J)< 1.0	NR	NR				
1,2,4-Trichlorobenzene	< 1.0	< 1.0	< 1.0	< 1.0	NR	NR				
Vinyl Chloride	< 1.0	< 1.0	< 1.0	5.3	NR	NR				
EPA METHOD 8270 (ug/L)										
bis(2-ethylhexyl)Phthalate	< 10	< 10	< 10	< 10	NR	NR				
EPA METHOD 8151 (ug/L)	ND	ND	NS	ND	NR	NR				
EPA METHOD 8081 (ug/L)	ND	ND	NS	ND	NR	NR				

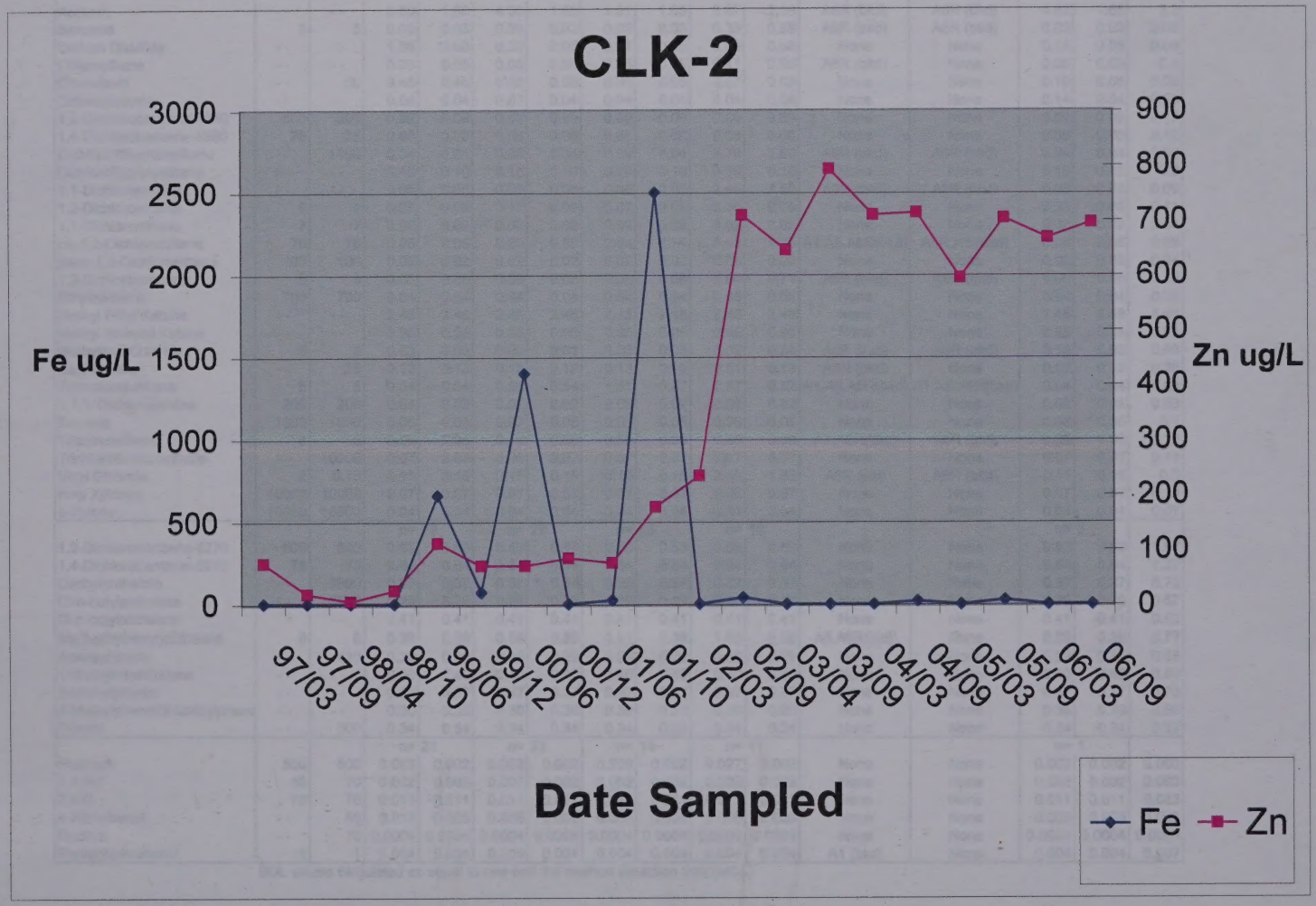
* MCL definitions: a = action level, not an MCL; s = secondary MCL (aesthetics)
NA = Not enough sample available for analysis
NR = Analysis Not Requested
ND = Analyte Not Detected
J = Estimated Quantity. Anlyte present, but less than the practical quantitation limit (PQL).
NS= Sample Not Collected (Frozen Well-CLK-1)
SA = Sample Not Taken

Bolded values are above the MCL, italicized bold values are above the State HHS.


BSB-A1
ug/L
3.5
3
2.5
2
1.5
1
0.5
0
94/02
94/08
95/01
95/02
95/03
95/08
96/02
96/09
97/03
97/09
98/04
98/10
99/06
99/12
00/06
00/12
01/06
01/10
02/03
02/09
03/04
03/09
04/03
04/09
05/03
05/09
06/03
06/09
Date Sampled
1,1-Dichloroethane
cis-1,2-Dichloroethene
Tetrachloroethene
Trichloroethene


BSB-A6R
ug/L
14
12
10
8
6
4
2
0
01/06
01/10
02/03
02/09
03/04
03/09
04/03
04/09
05/03
05/09
06/03
06/09
Date Sample
1,1-Dichloroethane
cis-1,2-Dichloroethene
Tetrachloroethene
Trichloroethene


CLK-1
As,Cd,Sb ug/L
Fe,Zn ug/L
350
300
250
200
150
100
50
0
180000
160000
140000
120000
100000
80000
60000
40000
20000
0
96/07
97/03
98/04
99/06
00/06
01/06
02/09
03/09
04/09
05/09
06/09
Date Sampled
Sb
As
Cd
Fe
Zn


CLK-2
Fe ug/L
Zn ug/L
3000
2500
2000
1500
1000
500
0
900
800
700
600
500
400
300
200
100
0
97/03
97/09
98/04
98/10
99/06
99/12
00/06
00/12
01/06
01/10
02/03
02/09
03/04
03/09
04/03
04/09
05/03
05/09
06/03
06/09
Date Sampled
Fe
Zn

CTK-2
Date Sampled
Zn
Fe
Zn µg/l
Fe µg/l
0
100
200
300
400
500
600
700
800
900
0
500
1000
1500
2000
2500
3000
01/30 00:00
01/30 01:00
01/30 02:00
01/30 03:00
01/30 04:00
01/30 05:00
01/30 06:00
01/30 07:00
01/30 08:00
01/30 09:00
01/30 10:00
01/30 11:00
01/30 12:00

TABLE 5-3 (updated 11/29/2006)

SILVER BOW COUNTY -OLD LANDFILL GROUNDWATER DATA SUMMARY - ORGANIC CONSTITUENTS (ug/L)

Analyte	STANDARDS MCL	STANDARDS HHS	MBMG-2 Mean	MBMG-2 Median	BSB-A1 Mean	BSB-A1 Median	BSB-A5 Mean	BSB-A5 Median	BSB-A6-R Mean	BSB-A6-R Median	Mean Exceeds Std. or Bkd	Median Exceeds Std. or Bkd.	BLANK Mean	BLANK Median	LAB MDL
			n= 26		n= 28		n= 20		n= 12				n= 18		
Acetone	--	--	3.60	1.65	4.30	1.65	1.81	1.65	3.67	2.18	A6R (bkd)	A6R (bkd)	4.82	1.65	3.3
Benzene	5	5	0.03	0.03	0.03	0.03	0.03	0.03	0.35	0.38	A6R (bkd)	A6R (bkd)	0.03	0.03	0.05
Carbon Disulfide	--	--	1.08	0.05	0.20	0.05	0.11	0.05	0.05	0.05	None	None	0.15	0.05	0.09
Chloroethane	--	--	0.05	0.05	0.05	0.05	0.05	0.05	0.11	0.05	A6R (bkd)	None	0.05	0.05	0.1
Chloroform	--	60	0.48	0.46	0.05	0.05	0.06	0.05	0.07	0.05	None	None	0.10	0.05	0.09
Chloromethane	--	--	0.04	0.04	0.07	0.04	0.04	0.04	0.04	0.04	None	None	0.14	0.04	0.08
1,2-Dichlorobenzene-8260	600	600	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	None	None	0.09	0.09	0.17
1,4-Dichlorobenzene-8260	75	75	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	None	None	0.06	0.06	0.12
Dichlorodifluoromethane	--	1400	0.04	0.04	0.05	0.04	0.09	0.04	3.78	3.80	A6R (bkd)	A6R (bkd)	0.04	0.04	0.08
Dichlorofluoromethane	--	--	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	None	None	0.10	0.10	0.2
1,1-Dichloroethane	--	--	0.05	0.05	0.05	0.05	0.06	0.05	2.48	2.50	A6R (bkd)	A6R (bkd)	0.05	0.05	0.09
1,2-Dichloroethane	5	4	0.07	0.06	0.11	0.06	0.07	0.06	0.10	0.06	None	None	0.33	0.06	0.11
1,1-Dichloroethene	7	7	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	None	None	0.02	0.02	0.04
cis-1,2-Dichloroethene	70	70	0.05	0.05	0.23	0.05	0.84	0.74	5.48	4.75	A1,A5,A6R(bkd)	A6R,A5 (bkd)	0.05	0.05	0.09
trans-1,2-Dichloroethene	100	100	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.02	None	None	0.02	0.02	0.04
1,2-Dichloropropane	5	5	0.08	0.08	0.08	0.08	0.08	0.08	0.64	0.71	A6R (bkd)	A6R (bkd)	0.08	0.08	0.16
Ethylbenzene	700	700	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.04	None	None	0.04	0.04	0.08
Methyl Ethyl Ketone	--	--	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	None	None	2.48	2.48	4.95
Methyl Isobutyl Ketone	--	--	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	None	None	0.95	0.95	1.89
Methylene Chloride	5	5	0.03	0.03	0.03	0.03	0.03	0.03	0.52	0.54	A6R (bkd)	A6R (bkd)	3.18	0.03	0.06
Naphthalene	--	28	0.13	0.13	0.13	0.13	0.13	0.13	0.51	0.13	A6R (bkd)	None	0.13	0.13	0.26
Tetrachloroethene	5	5	0.04	0.04	0.56	0.54	1.51	0.57	0.57	0.52	A1,A5,A6R(bkd)	A1,A5,A6R(bkd)	0.04	0.04	0.08
1,1,1-Trichloroethane	200	200	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02	None	None	0.02	0.02	0.03
Toluene	1000	1000	0.05	0.05	0.07	0.05	0.05	0.05	0.06	0.05	None	None	0.08	0.05	0.1
Trichloroethene	5	5	0.06	0.06	0.19	0.06	0.30	0.08	0.58	0.60	A1,A6R(bkd)	A6R (bkd)	0.06	0.06	0.12
Trichlorofluoromethane	--	10000	0.07	0.07	0.08	0.07	0.07	0.07	0.07	0.07	None	None	0.07	0.07	0.14
Vinyl Chloride	2	0.15	0.15	0.15	0.15	0.15	0.15	0.15	2.49	1.80	A6R (std)	A6R (bkd)	0.15	0.15	0.3
m+p Xylenes	10000	10000	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.07	None	None	0.07	0.07	0.14
o-Xylene	10000	10000	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	None	None	0.03	0.04	0.07
			n= 25		n= 27		n= 15		n= 12				n= 3		
1,2-Dichlorobenzene-8270	600	600	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	None	None	0.53	0.53	1.07
1,4-Dichlorobenzene-8270	75	75	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	None	None	0.64	0.64	1.27
Diethylphthalate	--	5600	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	None	None	0.37	0.37	0.73
Di-n-butylphthalate	--	2700	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	None	None	0.29	0.29	0.57
Di-n-octylphthalate	--	--	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	None	None	0.41	0.41	0.82
bis(2-ethylhexyl)phthalate	6	6	0.39	0.39	0.56	0.39	1.41	0.39	1.68	0.39	A5,A6R(bkd)	None	0.39	0.39	0.77
Acenaphthene	--	420	0.29	0.29	0.29	0.29	0.29	0.29	0.36	0.29	None	None	0.29	0.29	0.58
1-Methylnaphthalene	--	--	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	None	None	0.40	0.40	0.80
2-Methylphenol	--	--	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	None	None	0.37	0.37	0.73
4-Methylphenol/3-Methylphenc	--	--	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	None	None	0.30	0.30	0.60
Phenol	--	300	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	None	None	0.34	0.34	0.67
			n= 21		n= 23		n= 14		n= 11				n= 1		
Picloram	500	500	0.083	0.002	0.002	0.002	0.226	0.002	0.027	0.002	None	None	0.002	0.002	0.003
2,4,5-T	50	70	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	None	None	0.002	0.002	0.003
2,4-D	70	70	0.011	0.011	0.011	0.011	0.018	0.011	0.011	0.011	None	None	0.011	0.011	0.023
4-Nitrophenol	--	56	0.019	0.005	0.005	0.005	0.005	0.005	0.005	0.005	None	None	0.005	0.005	0.009
Dacthal	--	70	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	None	None	0.0004	0.0004	0.0009
Pentachlorophenol	1	1	0.004	0.004	0.009	0.004	0.004	0.004	0.004	0.004	A1 (bkd)	None	0.004	0.004	0.007

BDL values calculated as equal to one-half the method detection limit (MDL)

TABLE 5-2 (updated 11/29/2006)
SILVER BOW COUNTY -OLD LANDFILL GROUNDWATER DATA SUMMARY
INORGANIC CONSTITUENTS (ug/L)

	STANDARDS														Mean	Median			
	USEPA	MT GW	MBMG-2		BSB-A1		BSB-A5		BSB-A6R		CLK-1		CLK-2		Exceeds	Exceeds	BLANK		LAB
Analyte	MCL*	HHS	Mean	Median	Mean	Median	Mean	Median	Mean	Median	Mean	Median	Mean	Median	Std. or Bkd.	Std. or Bkd.	Mean	Median	MDL
			n=26		n=8		n=4		n=0		n=21		n=20				n=15		
Ag	- -	100	0.1	0.1	0.8	0.1	0.1	0.1	- -	- -	0.4	0.1	0.3	0.1	A1,CLK1,CLK2(bkd)	None	1.0	0.1	0.21
As	50	20	2	2	2	2	3	2	- -	- -	75	89	2	2	CLK1 (std)	CLK1 (std)	1	1	0.11
Ba	2,000	2,000	140	138	88	79	26	27	- -	- -	32	31	29	29	None	None	1	0	1
Be	4	4	0.3	0.1	0.5	0.6	0.2	0.1	- -	- -	0.4	0.4	0.1	0.1	A1,CLK1(bkd)	A1,CLK1(bkd)	0.2	0.1	0.07
Cd	5	5	0.1	0.1	0.2	0.2	0.0	0.0	- -	- -	8.6	7.3	0.4	0.2	CLK1(std),CLK2(bkd)	CLK1 (std)	0.03	0.03	0.05
Co	- -	- -	4	4	4	4	4	4	- -	- -	78	76	4	4	CLK1 (bkd)	CLK1 (bkd)	4	4	8.5
Cr	100	100	4	4	5	4	4	4	- -	- -	38	4	4	4	CLK1 (bkd)	None	5	4	10
Cu	1,300(a)	1,300	2	2	2	2	2	2	- -	- -	5	2	3	2	CLK1,CLK2 (bkd)	None	2	2	1.3
Fe	- -	300	144	9	25	22	36	36	- -	- -	21,512	23,100	243	9	CLK1(std)CLK2(bkd)	CLK1 (std)	11	9	10
Hg	2	2	0.06	0.05	0.09	0.05	0.10	0.07	- -	- -	0.06	0.05	0.10	0.05	None	None	0.06	0.05	0.11
Ni	- -	100	7	7	7	7	7	7	- -	- -	125	7	15	9	CLK1(std),CLK2(bkd)	None	7	7	13.3
Pb	15(a)	15	0.7	0.5	0.8	0.5	0.8	0.5	- -	- -	1.2	0.5	1.0	0.5	CLK1,CLK2 (bkd)	None	0.5	0.5	0.10
Sb	6	6	2	1	3	1	2	2	- -	- -	20	1	1	1	CLK1 (std)	None	3	1	0.1
Se	50	50	1.0	0.4	0.6	0.4	0.4	0.4	- -	- -	2.4	0.4	1.7	0.4	CLK1,2 (bkd)	None	0.4	0.4	0.53
Tl	2	2	1	1	4	5	3	1	- -	- -	1	1	1	1	None	None	1	1	0.04
V	- -	- -	8	8	3	3	3	3	- -	- -	5	3	3	3	None	None	2	3	2.1
Zn	- -	2,000	14	5	12	12	14	12	- -	- -	101,200	101,000	360	209	CLK1(std)CLK2(bkd)	CLK1(std)CLK2(bkd)	8	5	5.3
			n=26		n=28		n=16		n=12		n=18		n=19				n=0		
Chloride	250,000(s)	- -	57,508	57,000	17,068	17,000	25,256	23,500	54,217	55,000	35,133	3,430	57,584	62,000	None	CLK2 (bkd)	- -	- -	5000
Sulfate	250,000(s)	- -	151,731	145,000	98,493	90,300	563,750	552,500	2,213,000	1,995,000	1,757,000	1,655,000	838,842	819,000	A5,A6R,C1,2 (std)	A5,A6R,C1,2 (std)	- -	- -	5000
Nitrate	10,000	10,000	7,287	6,750	616	560	2,525	2,570	50	25	- -	- -	- -	- -	None	None	- -	- -	50
COD	- -	- -	40,658	16,250	34,354	20,800	61,547	16,000	337,533	34,000	- -	- -	- -	- -	,A6R (bkd)	A1,A6R (bkd)	- -	- -	5000
SC	- -	- -	765	768	491	472	1,142	1,170	3,244	2,920	2,714	2,750	1,810	1,820	A5,A6R,C1,2(bkd)	A5,A6R,C1,2(bkd)	- -	- -	- -

* MCL definitions: a = action level, not a MCL; s = secondary MCL (asthetics)
BDL values calculated as equal to one half the method detection limit (MDL)

TABLE 5-2 (updated 11/23/2009)

SILVER BOW COUNTY -OLD LAMPITEL GROUNDWATER DATA SUMMARY

(MICROBIOLOGICAL CONSTITUENTS (ug/L)

STATION NAME	MBMG-2			BSB-A1			BSB-A5			BSB-A8R			CLK-1			CLK-2			Median	Mean	BLANK			LAB
DATE	MW			MW			MW			MW			MW			MW			Exceeds	Exceeds				
SAMPLE	Sid. or Bkd			Sid. or Bkd			Sid. or Bkd			Sid. or Bkd			Sid. or Bkd			Sid. or Bkd			Sid. or Bkd	Sid. or Bkd				
	Mean	Median	Mean	Median	Mean	Median	Mean	Median	Mean	Median	Mean	Median	Mean	Median	Mean	Median	Mean	Median			Mean	Median	Mean	MDL
	n=28		n=5		n=4				n=0				n=21			n=20					n=15			
1,1,1-TCA	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--	--	--	--	0.4	--	0.1	0.3	0.1	0.1	None		1.0	0.1	0.2	
1,1,2-TCA	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--	--	--	--	76	59	2	2	CLK1 (std)		1	1	0.1	1	0.1	
1,1-DCE	1.00	0.0	136	98	70	28	27	27	--	--	--	--	32	31	29	29	None		1	0				
1,2-DCA	4	0.3	0.7	0.8	0.8	0.2	0.1	0.4	--	--	--	--	0.4	0.4	0.1	0.1	A1,CLK1(bkd)		0.2	0.1	0.07			
1,2-DCP	6	0.1	0.1	0.2	0.2	0.0	0.0	--	--	--	--	--	8.6	7.2	0.4	0.2	CLK1 (std),CLK2(bkd)		0.03	0.03	0.05			
1,2-DCPE	--	4	4	4	4	4	4	--	--	--	--	--	76	70	4	4	CLK1 (bkd)		4	4	8.3			
1,2-DCPM	102	4	4	5	4	4	4	--	--	--	--	--	38	4	4	4	CLK1 (bkd)		5	4	10			
1,2-DMB	7,200	2	2	2	2	2	2	--	--	--	--	--	6	2	2	2	CLK1,CLK2 (bkd)		2	2	1.3			
1,3-DCB	200	14	9	20	22	29	35	--	--	--	--	--	21,312	23,100	243	9	CLK1 (std),CLK2(bkd)		11	9	10			
1,3-DCP	--	0.08	0.05	0.09	0.08	0.10	0.07	0.08	--	--	--	--	0.08	0.08	0.10	0.05	None		0.08	0.05	0.11			
1,4-DCB	100	7	7	7	7	7	7	7	--	--	--	--	126	7	16	9	CLK1(std),CLK2(bkd)		7	7	18.3			
2,4,5-TP	15	0.7	0.5	0.6	0.5	0.8	0.6	1.2	--	--	--	--	1.0	0.6	0.5	0.5	CLK1,CLK2 (bkd)		0.6	0.5	0.10			
2,4-D	0	2	1	2	1	2	2	20	--	--	--	--	1	1	1	1	CLK1 (std)		3	1	- 0.1			
2-Butanone	20	1.0	0.4	0.6	0.4	0.4	0.4	2.4	--	--	--	--	0.4	1.7	0.4	0.4	None		0.4	0.4	0.55			
2-Hexanone	2	1	4	5	2	1	1	1	--	--	--	--	1	1	1	1	None		1	1	0.09			
2-Methyl-4,6-DNP	--	8	3	3	3	3	3	5	--	--	--	--	3	3	3	3	None		2	3	2.1			
2-Methylnaphthalene	200	14	3	12	12	14	12	101,200	--	--	--	--	101,200	360	200	200	CLK1(std),CLK2(bkd)		8	8	8.3			
	n=26		n=24		n=15				n=12				n=18			n=19					n=0			
2-Methylphenol	--	87,500	87,000	17,085	17,000	26,258	23,300	54,217	56,000	23,133	3,430	57,584	62,000				None		CLR2 (bkd)		--	--	3000	
2-Nitroaniline	--	151,737	145,000	96,479	90,300	885,780	582,200	2,213,000	1,869,000	1,757,000	1,866,000	839,842	819,000				A5,ABR,C1,2 (std)		--	--	8000			
2-Nitrophenol	10,000	7,267	6,750	816	0.0	2,828	2,570	20	20	--	--	--	--				None		--	--	20			
3,3'-Dichlorobenzidine	--	40,868	16,200	34,364	20,800	61,847	18,000	327,883	34,000	--	--	--	--				ABR (bkd)		--	--	8000			
3-Nitroaniline	--	770	766	491	472	1,142	1,170	2,294	2,829	3,114	2,720	1,310	1,820				A5,ABR,C1,2(bkd)		--	--	--			

Notes: n = # of samples, m = # of detections, MDL = method detection limit, ug/L = micrograms per liter, not a MCL; s = secondary MCL (satisfactory)
Blank Mean, Median, Exceeds equal to one half the method detection limit (MDL)

Old Butte-Silver Bow County Landfill
GROUNDWATER FIELD CHEMISTRY RESULTS AND PURGE VOLUMES
September-06

Well I.D.	Sample #	Depth (ft)	Radius (ft)	S.W.L. (ft)	TOC Elevation (ft)	Groundwater Elevation (ft)	pH. (su)	E.h. (mV)	S.C. (uS/cm)	T (Celsius)	Sample Time	H2O Volume Req'd (gal)	H2O Volume Purged (gal)	Comments
MBMG-2	BSB-GW-01	23.25	0.17	14.69	5529.88	5515.19	6.80	300.2	642	10.6	12:00	4.28	4.50	
BSB-A1	BSB-GW-02	57.00	0.17	36.34	5531.50	5495.16	6.82	349.4	443	11.6	13:30	10.33	10.75	
BSB-A5	BSB-GW-04	46.50	0.17	41.85	5524.62	5482.77	5.98	517.4	1124	10.40	11:15	2.33	2.50	
BSB-A6-R	BSB-GW-05	59.75	0.17	52.33	5554.41	5502.08	6.23	173.4	1309	11.4	14:15	3.71	3.75	
BSB-A6-R	SA	59.75	0.17	NA	5554.41	NA	NA	NA	NA	NA	NA	NA	NA	
CLK-1	BSB-GW-06	19.00	0.17	4.94	5478.73	5473.79	6.04	221.0	1317	10.7	15:30	7.03	7.50	
CLK-2	BSB-GW-07	46.90	0.17	40.89	5511.17	5470.28	6.27	278.6	1122	12.3	14:55	3.01	4.00	
CLK-2	SA	46.90	0.17	NA	5511.17	NA	NA	NA	NA	NA	NA	NA	NA	
Blank	SA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

KEY:

NA Measurement Not Taken

SA Sample Not Taken

Oak Lion-Stop Gas Co-op Limited

GEOCHEMICAL FIELD CHEMISTRY RESULTS AND PURGE VOLUMES

September-98

Well ID.	Sample #	Volume (ml)	Barrels (ml)	S.W.L. (m)	T.D. Elevation (m)	Elevation (m)	pH (su)	E.C. (uS/cm)	S.C. (uS/cm)	T (Celsius)	Sample Time	H2O Volume Purged (gal)	H2O Volume Purged (gal)	Comments
MW94-2	[illegible]	1135	0.17	0.06	[illegible]	[illegible]	[illegible]	800.7	802	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	0.17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	783	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	0.17	41.25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10.60	[illegible]	[illegible]	3.50	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	NA	[illegible]	NA	[illegible]	NA	NA	NA	NA	NA	NA	NA	NA	
[illegible]	[illegible]	[illegible]	0.17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.40	
[illegible]	[illegible]	[illegible]	0.17	60.39	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4.00	
[illegible]	NA	[illegible]	0.17	NA	[illegible]	NA	NA	NA	NA	NA	NA	NA	NA	
[illegible]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Key:

NA = Measurement not taken

NA = Sample not taken

RECEIVED
NOV 06 2006

Friday, November 03, 2006

Analytical Laboratory

Brad Hollamon
Pioneer Technical Services
P.O. Box 3445
Butte, MT 59701

RE: BSB OLD LANDFILL/CLARK TAILINGS Work Order: 0609045

Dear Brad Hollamon:

MSE-TA Analytical Laboratory revised analytical results for Sample 0609045-002 presented in the following report.

Please find enclosed analytical results for the revised sample(s) received at the MSE-TA Laboratory.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Marcee Cameron for GW

Gary F. Wyss
Laboratory Manager
406-494-7222

Enclosure

MSE-TA Analytical Laboratory
P.O. Box 4078
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Lab: 406-494-7334
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labinfo@mse-ta.com

MSE Analytical Laboratory

Date: *06-Nov-06*

CLIENT: Pioneer Technical Services
Lab Order: 0609045
Project: BSB OLD LANDFILL/CLARK TAILINGS
Lab ID: 0609045-002 MBMG-2

Client Sample ID: BSB-GW-01
Collection Date: 9/5/2006 12:00:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
ICP-AES METALS, DISSOLVED/DIRECT		**E200.7**		**SW3005A**		Analyst: **CR**
Barium	138	1.50		µg/L	1	9/28/2006
Chromium	ND	20.0		µg/L	1	9/28/2006
Copper	ND	3.00		µg/L	1	9/28/2006
Iron	ND	15.0		µg/L	1	9/28/2006
Nickel	ND	25.0		µg/L	1	9/28/2006
Vanadium	10.2	5.00		µg/L	1	9/28/2006
Zinc	ND	10.0		µg/L	1	9/28/2006
ICP-MS METALS, DISSOLVED/DIRECT		**E200.8**		**SW3005A**		Analyst: **SW**
Antimony	0.166	0.300	J	µg/L	1	9/15/2006
Arsenic	1.75	0.500		µg/L	1	9/15/2006
Beryllium	ND	0.050		µg/L	1	9/15/2006
Cadmium	0.074	0.100	J	µg/L	1	9/15/2006
Lead	0.659	0.100		µg/L	1	9/15/2006
Selenium	2.24	1.00		µg/L	1	9/15/2006
Silver	0.204	0.800	J	µg/L	1	9/15/2006
Thallium	0.063	0.050		µg/L	1	9/15/2006
AQUEOUS MERCURY - DISSOLVED		**E245.1**				Analyst: **KJ**
Mercury	0.053	0.100	J	µg/L	1	9/21/2006
ANIONS BY ION CHROMATOGRAPHY		**E300.0**				Analyst: **SW**
Chloride	54.6	1.25		mg/L	5	9/13/2006
Sulfate	148	2.50		mg/L	5	9/13/2006
CHEMICAL OXYGEN DEMAND - E410.1		**E410.1**				Analyst: **CR**
Chemical Oxygen Demand	ND	10		mg/L	1	9/20/2006
NITRATE/NITRITE BY AUTO-ANALYZER		**E353.2**				Analyst: **CR**
Nitrogen, Nitrate-Nitrite	3.39	0.050		mg/L	1	9/13/2006
PH MEASUREMENT-WATER		**E150.1**				Analyst: **ADM**
pH	7.1	0.1		SU	1	9/11/2006
CONDUCTIVITY		**A2510B**				Analyst: **ADM**
Specific Conductivity	773	1		µmhos/cm	1	9/11/2006
TOTAL CYANIDE BY DISTILLATION		**E335.2**				Analyst: **CR**

_____ **Review**

Qualifiers:

B	Analyte detected below the CRQL	CRQL	Contract Required Quantitation Limit (ILMO6.X)
H	Holding times for preparation or analysis exceeded	J	Analyte detected below the Reporting Limit
Limit	Instrument Reporting Limit	MDL	Method Detection Limit
U	Not Detected at the Method Detection Limit (MDL)		

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MBE Analytical Laboratory

Date: 09-Mar-09

CLIENT: Pioneer Technical Services
Lab Order: 0809046
Project: 1968 OLD LANDFILL/CLEARK TAILINGS
Lab ID: 0809046-002

Client Sample ID: 1968-GW-01
Collection Date: 3/6/2009 12:00:00 PM

Matrix: AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
ICP/AES METALS, DISSOLVED/DISSOLVED		E200.7		SW3005A		Analyst: CR
Barium	0.4	1.00		ug/L	1	3/12/2009
Chromium	ND	20.0		ug/L	1	3/12/2009
Copper	ND	3.00		ug/L	1	3/12/2009
Iron	140	15.0		ug/L	1	3/12/2009
Nickel	ND	20.0		ug/L	1	3/12/2009
Vanadium	10.2	5.00		ug/L	1	3/12/2009
Zinc	ND	10.0		ug/L	1	3/12/2009
ICP-MS METALS, DISSOLVED/DISSOLVED		E200.8		SW3005A		Analyst: BW
Antimony	0.166	0.300	J	ug/L	1	3/18/2009
Arsenic	1.75	0.500		ug/L	1	3/18/2009
Beryllium	ND	0.020		ug/L	1	3/18/2009
Cadmium	0.274	0.100	J	ug/L	1	3/18/2009
Lead	0.158	0.100		ug/L	1	3/18/2009
Selenium	2.28	1.00		ug/L	1	3/18/2009
Silver	0.204	0.200	J	ug/L	1	3/18/2009
Thallium	0.020	0.100		ug/L	1	3/18/2009
ACUCOR-S MERCURY - DISSOLVED		E245.1				Analyst: KD
Mercury	0.200	0.100	J	ug/L	1	3/11/2009
ANIONS BY ION CHROMATOGRAPHY		E300.0				Analyst: BW
Chloride	24.8	1.25		mg/L	5	3/12/2009
Sulfate	145	2.50		mg/L	5	3/12/2009
CHEMICAL OXYGEN DEMAND - E410.1		E410.1				Analyst: CR
Chemical Oxygen Demand	ND	10		mg/L	1	3/12/2009
NITRATE/NITRITE BY AUTO-ANALYZER		E353.2				Analyst: CR
Nitrogen, Nitrate-Nitrite	4.39	0.050		mg/L	1	3/12/2009
pH MEASUREMENT-MASTER		E150.1				Analyst: ADM
pH	7.1	0.1		SU	1	3/11/2009
CONDUCTIVITY		A2510B				Analyst: ADM
Specific Conductivity	773	1		umhos/cm	1	3/11/2009
TOTAL CYANIDE BY DISTILLATION		E335.2				Analyst: CR

Qualifiers:

B - Analyte detected in the blank
E - Analyte above the calibration range
J - Analyte detected below the Reporting Limit
ND - Analyte not detected at the Method Detection Limit (MDL)
RL - Reporting Limit
MDL - Method Detection Limit

MSE Analytical Laboratory

Date: *06-Nov-06*

CLIENT:	Pioneer Technical Services	**Client Sample ID:**	BSB-GW-01
Lab Order:	0609045	**Collection Date:**	9/5/2006 12:00:00 PM
Project:	BSB OLD LANDFILL/CLARK TAILINGS		
Lab ID:	0609045-002	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
TOTAL CYANIDE BY DISTILLATION		**E335.2**				Analyst: **CR**
Cyanide, Total	ND	5.00		µg/L	1	9/19/2006

Review _____

Qualifiers:

B	Analyte detected below the CRQL	CRQL	Contract Required Quantitation Limit (ILMO6.X)
H	Holding times for preparation or analysis exceeded	J	Analyte detected below the Reporting Limit
Limit	Instrument Reporting Limit	MDL	Method Detection Limit
U	Not Detected at the Method Detection Limit (MDL)		

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MSE Analytical Laboratory

Date: 06-Nov-06

CLIENT: Pioneer Technical Services
Lab Order: 0609026
Project: 8511 OLD LANDFILL CLEAN TRENCH 2
Lab ID: 0609026-002

Client Sample ID: RSS-GW-01
Collection Date: 9/8/2006 12:00:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
TOTAL CYANIDE BY DISTILLATION		**E335.2**				Analyst: CR
Cyanide, Total	ND	5.00		ug/L	1	9/18/2006

Qualifiers:

- B Analyte detected in the QBLK
- E Reading was for qualitative or semi-quantitative analysis
- Less Less than Reporting Limit
- U Not detected at the Method Detection Limit (MDL)

Review

(QC) Quality Control Qualifier Definitions (MQCA 2)

Analyte detected below the Reporting Limit

MDL Value at Detection Limit

MSE Analytical Laboratory

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MSE Analytical Laboratory

Date: *06-Nov-06*

CLIENT: Pioneer Technical Services
Lab Order: 0609045
Project: BSB OLD LANDFILL/CLARK TAILINGS
Lab ID: 0609045-005 CLK-2

Client Sample ID: BSB-GW-07
Collection Date: 9/5/2006 2:55:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
ICP-AES METALS, DISSOLVED/DIRECT		**E200.7**		**SW3005A**		Analyst: **CR**
Barium	19.6	1.50		µg/L	1	9/28/2006
Chromium	ND	20.0		µg/L	1	9/28/2006
Copper	7.77	3.00		µg/L	1	9/28/2006
Iron	ND	15.0		µg/L	1	9/28/2006
Nickel	32.2	25.0		µg/L	1	9/28/2006
Vanadium	ND	5.00		µg/L	1	9/28/2006
Zinc	695	10.0		µg/L	1	9/28/2006
ICP-MS METALS, DISSOLVED/DIRECT		**E200.8**				Analyst: **SW**
Antimony	ND	0.300		µg/L	1	9/15/2006
Arsenic	2.01	0.500		µg/L	1	9/15/2006
Beryllium	ND	0.050		µg/L	1	9/15/2006
Cadmium	0.959	0.100		µg/L	1	9/15/2006
Lead	0.369	0.100		µg/L	1	9/15/2006
Selenium	3.71	1.00		µg/L	1	9/15/2006
Silver	0.209	0.800	J	µg/L	1	9/15/2006
Thallium	0.094	0.050		µg/L	1	9/15/2006
AQUEOUS MERCURY - DISSOLVED		**E245.1**				Analyst: **KJ**
Mercury	ND	0.100		µg/L	1	9/21/2006
ANIONS BY ION CHROMATOGRAPHY		**E300.0**				Analyst: **SW**
Chloride	64.1	5.00		mg/L	20	9/13/2006
Sulfate	722	10.0		mg/L	20	9/13/2006
NITRATE/NITRITE BY AUTO-ANALYZER		**E353.2**				Analyst: **CR**
Nitrogen, Nitrate-Nitrite	ND	0.050		mg/L	1	9/13/2006
PH MEASUREMENT-WATER		**E150.1**				Analyst: **ADM**
pH	6.4	0.1		SU	1	9/11/2006
CONDUCTIVITY		**A2510B**				Analyst: **ADM**
Specific Conductivity	1820	1		µmhos/cm	1	9/11/2006

_____ **Review**

Qualifiers:

B	Analyte detected below the CRQL	CRQL	Contract Required Quantitation Limit (ILMO6.X)
H	Holding times for preparation or analysis exceeded	J	Analyte detected below the Reporting Limit
Limit	Instrument Reporting Limit	MDL	Method Detection Limit
U	Not Detected at the Method Detection Limit (MDL)		

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MSE Analytical Laboratory

Date: 06-Mar-08

CLIENT: Pioneer Technical Services
Lab Order: 0803045
Project: 8B3 OLD LANDFILL/QUARRY TAR PITS
Lab ID: 0803045-002

Client Sample ID: BSB-GW-07
Collection Date: 3/12/2008 2:25:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
ICP-AES METALS, DISSOLVED/DIRECT		E200.7		SW3020A		Analyst: CR
Barium	19.4	1.00		ug/L	1	3/20/2008
Chromium	ND	20.0		ug/L	1	3/20/2008
Copper	2.20	5.00		ug/L	1	3/20/2008
Iron	ND	15.0		ug/L	1	3/20/2008
Nickel	32.2	25.0		ug/L	1	3/20/2008
Vanadium	ND	5.00		ug/L	1	3/20/2008
Zinc	8.03	10.0		ug/L	1	3/20/2008
ICP-MS METALS, DISSOLVED/DIRECT		E200.8				Analyst: SW
Antimony	ND	0.300		ug/L	1	3/18/2008
Arsenic	2.01	0.200		ug/L	1	3/18/2008
Beryllium	ND	0.200		ug/L	1	3/18/2008
Cadmium	0.126	0.100		ug/L	1	3/18/2008
Lead	0.318	0.100		ug/L	1	3/18/2008
Selenium	3.21	1.00		ug/L	1	3/18/2008
Silver	0.103	0.200		ug/L	1	3/18/2008
Thallium	0.108	0.200		ug/L	1	3/18/2008
AQUEOUS MERCURY - DISSOLVED		E245.1				Analyst: KL
Mercury	ND	0.100		ug/L	1	3/21/2008
ANIONS BY ION CHROMATOGRAPHY		E300.0				Analyst: SW
Chloride	84.7	3.00		mg/L	20	3/19/2008
Sulfate	7.23	10.0		mg/L	20	3/19/2008
NITRATE/NITRITE BY AUTO ANALYZER		E353.2				Analyst: CR
Nitrogen, Nitrate-Nitrite	ND	0.050		mg/L	1	3/12/2008
pH MEASUREMENT-WATER		E150.1				Analyst: ADM
pH	8.4	0.1		SU	1	3/11/2008
CONDUCTIVITY		A2510B				Analyst: ADM
Specific Conductance	1020	1		µmhos/cm	1	3/11/2008

Qualifiers:

B Analyte detected in the laboratory blank.
H Holding time for preparation or analysis exceeded.
ND Analyte not detected at the reporting limit.
R RPD outside accepted recovery limits.
S Spike recovery outside accepted recovery limits.
J Analyte detected below the reporting limit.
MDL Method Detection Limit.

MSE Analytical Laboratory

Date: *06-Nov-06*

CLIENT: Pioneer Technical Services
Lab Order: 0609045
Project: BSB OLD LANDFILL/CLARK TAILINGS
Lab ID: 0609045-006 CLK-1

Client Sample ID: BSB-GW-06
Collection Date: 9/5/2006 3:30:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
ICP-AES METALS, DISSOLVED/DIRECT		**E200.7**		**SW3005A**		Analyst: **CR**
Barium	27.7	3.00		µg/L	2	9/28/2006
Chromium	ND	40.0		µg/L	2	9/28/2006
Copper	ND	6.00		µg/L	2	9/28/2006
Iron	19400	30.0		µg/L	2	9/28/2006
Nickel	129	125		µg/L	5	9/28/2006
Vanadium	ND	10.0		µg/L	2	9/28/2006
Zinc	89000	20.0		µg/L	2	9/28/2006
ICP-MS METALS, DISSOLVED/DIRECT		**E200.8**				Analyst: **SW**
Antimony	0.122	0.300	J	µg/L	1	9/15/2006
Arsenic	77.1	0.500		µg/L	1	9/15/2006
Beryllium	0.464	0.050		µg/L	1	9/15/2006
Cadmium	13.8	0.100		µg/L	1	9/15/2006
Lead	0.331	0.100		µg/L	1	9/15/2006
Selenium	10.1	1.00		µg/L	1	9/15/2006
Silver	0.288	0.800	J	µg/L	1	9/15/2006
Thallium	0.076	0.050		µg/L	1	9/15/2006
AQUEOUS MERCURY - DISSOLVED		**E245.1**				Analyst: **KJ**
Mercury	ND	0.100		µg/L	1	9/21/2006
ANIONS BY ION CHROMATOGRAPHY		**E300.0**				Analyst: **SW**
Chloride	33.2	5.00		mg/L	20	9/13/2006
Sulfate	1430	10.0		mg/L	20	9/13/2006
NITRATE/NITRITE BY AUTO-ANALYZER		**E353.2**				Analyst: **CR**
Nitrogen, Nitrate-Nitrite	ND	0.050		mg/L	1	9/13/2006
PH MEASUREMENT-WATER		**E150.1**				Analyst: **ADM**
pH	6.0	0.1		SU	1	9/11/2006
CONDUCTIVITY		**A2510B**				Analyst: **ADM**
Specific Conductivity	2410	1		µmhos/cm	1	9/11/2006

_____ **Review**

Qualifiers:

B	Analyte detected below the CRQL	CRQL	Contract Required Quantitation Limit (ILMO6.X)
H	Holding times for preparation or analysis exceeded	J	Analyte detected below the Reporting Limit
Limit	Instrument Reporting Limit	MDL	Method Detection Limit
U	Not Detected at the Method Detection Limit (MDL)		

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labinfo@mse-ta.com

MSE Analytical Laboratory

CLIENT:	Pioneer Technical Services		Date: 06-Nov-08
Lab Order:	0809045	Client Sample ID:	PSD-GW-18
Project:	RSB OUD LANDFILL/CLARK TAILINGS	Collection Date:	9/2/2008 3:30:00 PM
Lab ID:	0809045-001	Matrix:	AQUEOUS

Analyses	Result	Qualifier	Units	DF	Date Analyzed
ICP-AES METALS, DISSOLVED/DIRECT			E200.7	6/10/2008	Analyst: CR
Barium	37.7		0.00	1	9/10/2008
Chromium	95		40.0	2	9/10/2008
Copper	10		6.00	2	9/10/2008
Iron	11400		30.0	2	9/10/2008
Nickel	129		10.0	2	9/10/2008
Vanadium	16		10.0	2	9/10/2008
Zinc	8000		20.0	2	9/10/2008
ICP-MS METALS, DISSOLVED/DIRECT			E200.8		Analyst: BW
Antimony	0.129		0.000	1	9/15/2008
Arsenic	77.1		0.500	1	9/15/2008
Beryllium	0.402		0.000	1	9/15/2008
Cadmium	13.8		0.100	1	9/15/2008
Lead	0.377		0.100	1	9/15/2008
Selenium	10.1		1.00	1	9/15/2008
Silver	0.280		0.100	1	9/15/2008
Thallium	0.109		0.100	1	9/15/2008
AQUEOUS MERCURY - DISSOLVED			E245.1		Analyst: KG
Mercury	ND		0.100	1	9/11/2008
ANIONS BY ION CHROMATOGRAPHY			E300.0		Analyst: BW
Chloride	372		5.00	20	9/12/2008
Sulfate	1400		10.0	20	9/12/2008
NITRATE/NITRITE BY AUTO-ANALYZER			E353.2		Analyst: CR
Nitrogen, Nitrate-Nitrite	ND		0.200	1	9/12/2008
pH MEASUREMENT-WATER			E150.1		Analyst: ADM
pH	8.0		0.1	1	9/11/2008
CONDUCTIVITY			A2510B		Analyst: ADM
Specific Conductivity	3400		1	µmhos/cm	9/11/2008

Qualifiers:

B - Analyte detected below the CRDL
H - Holding time for preparation or analysis exceeded
Lab - Reported Exceeding Limit
U - Not Detected at the Method Detection Limit (MDL)

CRDL - Contract Required Detection Limit (10X MDL)
J - Analyte detected below the reporting limit
MDL - Method Detection Limit

Reviewer: _____

MSE Analytical Laboratory
P.O. Box 4025
200 Technology Way
Butte, MT 59701
Lab: 406-494-7331
Fax: 406-494-7230
MSALab@mse-is.com

CHAIN OF CUSTODY

PROJECT ID: BSB Old Landfill/Clark Tailings

LABORATORY PERFORMING ANALYSIS: MSE

SAMPLERS (Signature): Brad Hallamon

0609045

ANALYSIS REQUESTED

REMARKS

Turnaround Time (TAT)

☒ Standard TAT

☐ Rush TAT (please contact laboratory personnel for arrangements)

SAMPLE ID	LAB ID	DATE	TIME	pH, SC, Cl⁻, SO₄⁻², NO₂/NO₃	CN⁻	COD	Diss. Metals			
BSB-GW-04	-001	9/5/06	11:15	X	X	X				
BSB-GW-01	-002		12:06	X	X	X	X			
BSB-GW-02	-003		13:30	X	X	X				
BSB-GW-05	-004		14:15	X	X	X				
BSB-GW-07	-005		14:55	X			X			
BSB-GW-06	-006		15:30	X			X			

Invoice: Gary Keeler, BSB Public Works Dept., 126 W. Granite, Butte, MT. 59701

Invoice PTS

RELINQUISHED BY (Signature)	DATE	TIME	RECEIVED BY (Signature)	DATE	TIME
Brad Hallamon	9/6/06	13:08	Gary F. Wyss	9/06/06	1308
PRINTED NAME: Brad Hollamon	COMPANY: PTS		PRINTED NAME: Gary F. Wyss	COMPANY: MSE Lab	
RELINQUISHED BY (Signature)	DATE	TIME	RECEIVED BY (Signature)	DATE	TIME
PRINTED NAME	COMPANY		PRINTED NAME	COMPANY	
RELINQUISHED BY (Signature)	DATE	TIME	RECEIVED FOR LAB BY (Signature)	DATE	TIME
PRINTED NAME	COMPANY		PRINTED NAME	COMPANY	

COMMENTS

Results: Shawn Bisch PTS.

Temp 3.0°C

MSE Technology Applications, Inc.
200 Technology Way
P.O. Box 4078 Butte, MT 59701
PH: (406) 494-7100 / Fax: (406) 494-7230

MSE-TA Analytical Laboratory

Sample Receipt Checklist

Client Name **PTS-BUTTE** Date and Time Received: **9/6/2006 3:35:45 PM**

Work Order Number **0609045** RcptNo: **1** Received by **GW**

COC_ID: CoolerID:

Checklist completed b MMcCarty 9/6/06 Reviewed by KJ 9/7/06

Signature Date Initials Date

Matrix water Carrier name

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☑	Blank ☐

All OK Except Adjusted? Yes Checked by Bo 9/6/06

004B(CN) pH@ 9 added 2ml NAOH 10N to pH of 12

Any No and/or NA (not applicable) response must be detailed in the comments section b

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments:

Corrective Action _____

RECEIVED

OCT 0 2 2006

Friday, September 29, 2006

MSE Analytical Laboratory

Shawn Bisch
Pioneer Technical Services
P.O. Box 3445
Butte, MT 59701

RE: BSB OLD LANDFILL/CLARK TAILINGS Work Order: 0609045

Dear Shawn Bisch:

MSE-TA Analytical Laboratory received 6 sample(s) on 9/6/2006 for the analyses presented in the following report.

Please find enclosed analytical results for the sample(s) received at the MSE-TA Laboratory.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Marcee Cameron for GW

Gary F. Wyss
Laboratory Manager
406-494-7222

Enclosure

MSE-TA Analytical Laboratory

Date: *29-Sep-06*

CLIENT: Pioneer Technical Services
Client Sample ID: BSB-GW-04
Lab Order: 0609045
Collection Date: 9/5/2006 11:15:00 AM
Project: BSB OLD LANDFILL/CLARK TAILINGS
Lab ID: 0609045-001 BSB-A5
Matrix: AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY			**E300.0**			Analyst: **SW**
Chloride	31.5	5.00		mg/L	20	9/13/2006
Sulfate	693	10.0		mg/L	20	9/13/2006
CHEMICAL OXYGEN DEMAND - E410.1			**E410.1**			Analyst: **CR**
Chemical Oxygen Demand	ND	10		mg/L	1	9/20/2006
NITRATE/NITRITE BY AUTO-ANALYZER			**E353.2**			Analyst: **CR**
Nitrogen, Nitrate-Nitrite	4.24	0.050		mg/L	1	9/13/2006
PH MEASUREMENT-WATER			**E150.1**			Analyst: **ADM**
pH	6.5	0.1		SU	1	9/11/2006
CONDUCTIVITY			**A2510B**			Analyst: **ADM**
Specific Conductivity	1570	1		µmhos/cm	1	9/11/2006
TOTAL CYANIDE BY DISTILLATION			**E335.2**			Analyst: **CR**
Cyanide, Total	ND	5.00		µg/L	1	9/19/2006

SW **Review**

Qualifiers:

H	Holding times for preparation or analysis exceeded	J	Analyte detected below the Reporting Limit
Limit	Instrument Reporting Limit	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit (MDL)		

MSE-TA Analytical Laboratory
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200 Technology Way
Butte, MT 59701
Lab: 406-494-7334
Fax: 406-494-7230
labinfo@mse-ta.com

MSE-TA Analytical Laboratory

Date: 23-Sep-05

CLIENT: Pioneer Technical Services
Lab Order: 0509018
Project: BSB OI B LAMPRILL CLARK TALINGS
Lab ID: 0509018-002

Client Sample ID: BSB-SW-01
Collection Date: 9/19/2005 12:00:00 AM

Matrix: AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY		5000.0				Analyst: BW
Chloride	314	5.00		mg/L	20	9/14/2005
Sulfate	862	10.0		mg/L	20	9/14/2005
CHEMICAL OXYGEN DEMAND - 5410.4		640.1				Analyst: CR
Chemical Oxygen Demand	ND	10		mg/L	1	9/20/2005
NITRATE/NITRITE BY AUTO-ANALYZER		6232.2				Analyst: CR
Nitrogen, Nitrate-Nitrite	4.24	0.050		mg/L	1	9/13/2005
pH MEASUREMENT-WATER		6120.1				Analyst: ADM
pH	8.2	0.1		SU	1	9/11/2005
CONDUCTIVITY		A2510B				Analyst: ADM
Specific Conductivity	1570	1		µmhos/cm	1	9/11/2005
TOTAL CYANIDE BY DISTILLATION		E335.2				Analyst: CR
Cyanide, Total	0.10	0.05		mg/L	1	9/13/2005

Qualifiers:
H Holding times for preparation or analysis exceeded
Limit Instrument Reporting Limit
ND Not Detected at the Method Detection Limit (MDL)
J Analyte detected below the Reporting Limit
MDL Method Detection Limit

Review _____

MSE-TA Analytical Laboratory

Date: *29-Sep-06*

CLIENT: Pioneer Technical Services
Client Sample ID: BSB-GW-01
Lab Order: 0609045
Collection Date: 9/5/2006 12:00:00 PM
Project: BSB OLD LANDFILL/CLARK TAILINGS
Lab ID: 0609045-002 MBMG-2
Matrix: AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
ICP-AES METALS, DISSOLVED/DIRECT		**E200.7**		**SW3005A**		Analyst: **CR**
Barium	138	1.50		µg/L	1	9/28/2006
Chromium	ND	20.0		µg/L	1	9/28/2006
Copper	ND	3.00		µg/L	1	9/28/2006
Iron	ND	15.0		µg/L	1	9/28/2006
Nickel	ND	25.0		µg/L	1	9/28/2006
Vanadium	10.2	5.00		µg/L	1	9/28/2006
Zinc	ND	10.0		µg/L	1	9/28/2006
ICP-MS METALS, DISSOLVED/DIRECT		**E200.8**		**SW3005A**		Analyst: **SW**
Antimony	0.166	0.300	J	µg/L	1	9/15/2006
Arsenic	1.75	0.500		µg/L	1	9/15/2006
Beryllium	ND	0.050		µg/L	1	9/15/2006
Lead	0.659	0.100		µg/L	1	9/15/2006
Selenium	2.24	1.00		µg/L	1	9/15/2006
Silver	0.204	0.800	J	µg/L	1	9/15/2006
Thallium	0.063	0.050		µg/L	1	9/15/2006
AQUEOUS MERCURY - DISSOLVED		**E245.1**				Analyst: **KJ**
Mercury	0.053	0.100	J	µg/L	1	9/21/2006
ANIONS BY ION CHROMATOGRAPHY		**E300.0**				Analyst: **SW**
Chloride	54.6	1.25		mg/L	5	9/13/2006
Sulfate	148	2.50		mg/L	5	9/13/2006
CHEMICAL OXYGEN DEMAND - E410.1		**E410.1**				Analyst: **CR**
Chemical Oxygen Demand	ND	10		mg/L	1	9/20/2006
NITRATE/NITRITE BY AUTO-ANALYZER		**E353.2**				Analyst: **CR**
Nitrogen, Nitrate-Nitrite	3.39	0.050		mg/L	1	9/13/2006
PH MEASUREMENT-WATER		**E150.1**				Analyst: **ADM**
pH	7.1	0.1		SU	1	9/11/2006
CONDUCTIVITY		**A2510B**				Analyst: **ADM**
Specific Conductivity	773	1		µmhos/cm	1	9/11/2006
TOTAL CYANIDE BY DISTILLATION		**E335.2**				Analyst: **CR**
Cyanide, Total	ND	5.00		µg/L	1	9/19/2006

SW **Review**

Qualifiers:

H	Holding times for preparation or analysis exceeded	J	Analyte detected below the Reporting Limit
Limit	Instrument Reporting Limit	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit (MDL)		

MSE-TA Analytical Laboratory

Date: 29-Sep-06

CLIENT:	Pioneer Technical Services	Client Sample ID:	BSB-GW-02
Lab Order:	0609045	Collection Date:	9/5/2006 12:00:00 PM
Project:	BSB OLD LANDFILL/CLARK TAILINGS		
Lab ID:	0609045-002	Matrix:	AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
ICP-AES METALS, DISSOLVED/DIRECT		**E200.7**		**SW3005A**		Analyst: CR
Barium	135	1.50		ug/L	1	9/25/2006
Chromium	ND	30.0		ug/L	1	9/25/2006
Copper	ND	3.00		ug/L	1	9/25/2006
Iron	ND	15.0		ug/L	1	9/25/2006
Nickel	ND	25.0		ug/L	1	9/25/2006
Vanadium	19.2	3.00		ug/L	1	9/25/2006
Zinc	ND	10.0		ug/L	1	9/25/2006
ICP-MS METALS, DISSOLVED/DIRECT		**E200.8**		**SW3005A**		Analyst: SW
Antimony	0.198	0.200	-	ug/L	1	9/15/2006
Arsenic	1.75	0.500		ug/L	1	9/15/2006
Beryllium	ND	0.050		ug/L	1	9/15/2006
Lead	0.558	0.100		ug/L	1	9/15/2006
Selenium	2.24	1.00		ug/L	1	9/15/2006
Silver	0.254	0.500	-	ug/L	1	9/15/2006
Thallium	0.063	0.200		ug/L	1	9/15/2006
AQUEOUS MERCURY - DISSOLVED		**E245.1**				Analyst: KJ
Mercury	0.033	0.100	-	ug/L	1	9/21/2006
ANIONS BY ION CHROMATOGRAPHY		**E300.0**				Analyst: SW
Chloride	54.0	1.25		mg/L	5	9/13/2006
Sulfate	146	2.50		mg/L	5	9/13/2006
CHEMICAL OXYGEN DEMAND - E410.1		**E410.1**				Analyst: CR
Chemical Oxygen Demand	ND	10		mg/L	1	9/26/2006
NITRATE/NITRITE BY AUTO-ANALYZER		**E353.2**				Analyst: CR
Nitrogen, Nitrate-Nitrite	2.50	0.050		mg/L	1	9/13/2006
PH MEASUREMENT-WATER		**E150.1**				Analyst: ADM
pH	7.1	0.1		SU	1	9/11/2006
CONDUCTIVITY		**A2510B**				Analyst: ADM
Specific Conductivity	773	1		umhos/cm	1	9/11/2006
TOTAL CYANIDE BY DISTILLATION		**E335.2**				Analyst: CR
Cyanide, Total	ND	5.00		ug/L	1	9/19/2006

Review

Qualifiers:
H Holding times for preparation or analysis exceeded
J Analyte detected below the Reporting Limit
Limit Instrument Reporting Limit
MDL Method Detection Limit
ND Not Detected at the Method Detection Limit (MDL)

MSE-TA Analytical Laboratory
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Lab: 406-494-7334
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mbs4lab@mse-ta.com

MSE-TA Analytical Laboratory

Date: *29-Sep-06*

CLIENT: Pioneer Technical Services
Client Sample ID: BSB-GW-02
Lab Order: 0609045
Collection Date: 9/5/2006 1:30:00 PM
Project: BSB OLD LANDFILL/CLARK TAILINGS
Lab ID: 0609045-003 BSB-A1
Matrix: AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY		**E300.0**				Analyst: **SW**
Chloride	16.2	1.25		mg/L	5	9/13/2006
Sulfate	82.1	2.50		mg/L	5	9/13/2006
CHEMICAL OXYGEN DEMAND - E410.1		**E410.1**				Analyst: **CR**
Chemical Oxygen Demand	ND	10		mg/L	1	9/20/2006
NITRATE/NITRITE BY AUTO-ANALYZER		**E353.2**				Analyst: **CR**
Nitrogen, Nitrate-Nitrite	0.342	0.050		mg/L	1	9/13/2006
PH MEASUREMENT-WATER		**E150.1**				Analyst: **ADM**
pH	7.2	0.1		SU	1	9/11/2006
CONDUCTIVITY		**A2510B**				Analyst: **ADM**
Specific Conductivity	488	1		µmhos/cm	1	9/11/2006
TOTAL CYANIDE BY DISTILLATION		**E335.2**				Analyst: **CR**
Cyanide, Total	ND	5.00		µg/L	1	9/19/2006

SW **Review**

Qualifiers:

H	Holding times for preparation or analysis exceeded	J	Analyte detected below the Reporting Limit
Limit	Instrument Reporting Limit	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit (MDL)		

MSE-TA Analytical Laboratory

Date: 20-Jan-06

CLIENT:	Pioneer Technical Services	Client Sample ID:	SS3-GW-06
Lab Order:	0509043	Collection Date:	8/1/2005 1:13:00 PM
Project:	ESS OLD LANDFILL GLADY TANKS		
Lab ID:	0509043-004	Matrix:	AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY		E300.0				Analyst: SW
Chloride	18.2	1.25		mg/L	5	9/14/2005
Sulfate	22.1	2.50		mg/L	5	9/14/2005
CHEMICAL OXYGEN DEMAND - E410.1		E410.1				Analyst: CR
Chemical Oxygen Demand	ND	10		mg/L	1	9/20/2005
NITRATE/NITRITE BY AUTO-ANALYZER		E353.2				Analyst: CR
Nitrogen, Nitrate-Nitrite	0.342	0.050		mg/L	1	9/14/2005
pH MEASUREMENT-WATER		E150.1				Analyst: ADM
pH	7.2	0.1		SU	1	9/14/2005
CONDUCTIVITY		A2510B				Analyst: ADM
Specific Conductivity	442	1		µmhos/cm	1	9/14/2005
TOTAL CYANIDE BY DISTILLATION		E335.2				Analyst: CR
Cyanide, Total	ND	5.00		µg/L	1	9/14/2005

Qualifiers:

- H Holding times for preparation or analysis exceeded
- J Analyte detected below the Reporting Limit
- Client Recommended Reporting Limit
- ND Not Detected at the Method Detection Limit (MDL)
- MDL Method Detection Limit

MSE-TA Analytical Laboratory
P.O. Box 4004
301 Technology Way
Butte, MT 59701
Phone: 406-494-7331
Fax: 406-494-7230
Analytical@mse-ta.com

MSE-TA Analytical Laboratory

Date: *29-Sep-06*

CLIENT: Pioneer Technical Services
Client Sample ID: BSB-GW-05
Lab Order: 0609045
Collection Date: 9/5/2006 2:15:00 PM
Project: BSB OLD LANDFILL/CLARK TAILINGS
Lab ID: 0609045-004 BSB-A6-R
Matrix: AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY		**E300.0**				Analyst: **SW**
Chloride	49.9	5.00		mg/L	20	9/13/2006
Sulfate	860	10.0		mg/L	20	9/13/2006
CHEMICAL OXYGEN DEMAND - E410.1		**E410.1**				Analyst: **CR**
Chemical Oxygen Demand	8.3	10	J	mg/L	1	9/20/2006
NITRATE/NITRITE BY AUTO-ANALYZER		**E353.2**				Analyst: **CR**
Nitrogen, Nitrate-Nitrite	ND	0.050		mg/L	1	9/13/2006
PH MEASUREMENT-WATER		**E150.1**				Analyst: **ADM**
pH	6.3	0.1		SU	1	9/11/2006
CONDUCTIVITY		**A2510B**				Analyst: **ADM**
Specific Conductivity	2050	1		µmhos/cm	1	9/11/2006
TOTAL CYANIDE BY DISTILLATION		**E335.2**				Analyst: **CR**
Cyanide, Total	ND	5.00		µg/L	1	9/19/2006

SW **Review**

Qualifiers:

H	Holding times for preparation or analysis exceeded	J	Analyte detected below the Reporting Limit
Limit	Instrument Reporting Limit	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit (MDL)		

Qualifiers:

H	Holding time for preparation or analysis exceeded
Limit	Instrument Reporting Limit
ND	Not Detected at the Method Detection Limit (MDL)
J	Analyte detected below the Reporting Limit
MDL	Method Detection Limit

Review _____

MSE-TA Analytical Laboratory

Date: *29-Sep-06*

CLIENT: Pioneer Technical Services
Client Sample ID: BSB-GW-07
Lab Order: 0609045
Collection Date: 9/5/2006 2:55:00 PM
Project: BSB OLD LANDFILL/CLARK TAILINGS
Lab ID: 0609045-005 CLK-2
Matrix: AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
ICP-AES METALS, DISSOLVED/DIRECT		**E200.7**		**SW3005A**		Analyst: **CR**
Barium	19.6	1.50		µg/L	1	9/28/2006
Chromium	ND	20.0		µg/L	1	9/28/2006
Copper	7.77	3.00		µg/L	1	9/28/2006
Iron	ND	15.0		µg/L	1	9/28/2006
Nickel	32.2	25.0		µg/L	1	9/28/2006
Vanadium	ND	5.00		µg/L	1	9/28/2006
Zinc	695	10.0		µg/L	1	9/28/2006
ICP-MS METALS, DISSOLVED/DIRECT		**E200.8**		**SW3005A**		Analyst: **SW**
Antimony	0.066	0.300	J	µg/L	1	9/15/2006
Arsenic	2.01	0.500		µg/L	1	9/15/2006
Beryllium	ND	0.050		µg/L	1	9/15/2006
Lead	0.369	0.100		µg/L	1	9/15/2006
Selenium	3.71	1.00		µg/L	1	9/15/2006
Silver	0.209	0.800	J	µg/L	1	9/15/2006
Thallium	0.094	0.050		µg/L	1	9/15/2006
AQUEOUS MERCURY - DISSOLVED		**E245.1**				Analyst: **KJ**
Mercury	ND	0.100		µg/L	1	9/21/2006
ANIONS BY ION CHROMATOGRAPHY		**E300.0**				Analyst: **SW**
Chloride	64.1	5.00		mg/L	20	9/13/2006
Sulfate	722	10.0		mg/L	20	9/13/2006
NITRATE/NITRITE BY AUTO-ANALYZER		**E353.2**				Analyst: **CR**
Nitrogen, Nitrate-Nitrite	ND	0.050		mg/L	1	9/13/2006
PH MEASUREMENT-WATER		**E150.1**				Analyst: **ADM**
pH	6.4	0.1		SU	1	9/11/2006
CONDUCTIVITY		**A2510B**				Analyst: **ADM**
Specific Conductivity	1820	1		µmhos/cm	1	9/11/2006

SW **Review**

Qualifiers:

H	Holding times for preparation or analysis exceeded	J	Analyte detected below the Reporting Limit
Limit	Instrument Reporting Limit	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit (MDL)		

MSE-TA Analytical Laboratory

Date: 29-Sep-06

CLIENT:	Fremont Technical Services	Chain Sample ID:	666-04-06
Lab Order:	060906A	Collection Date:	9/8/2006 5:55:00 PM
Project:	666 OLD LANDFILL/CLARK TAILINGS		
Lab ID:	0609066-1009	Matrix:	AQUEOUS

Analyses	Result	Limit	Qualifier	Units	Dil	Date Analyzed
ICP-AES METALS, DISSOLVED/DIGCT		E200.7		SW3005A		Analyst: GX
Barium	19.3	1.50		ug/L	1	8/29/2006
Chromium	ND	20.0		ug/L	1	8/29/2006
Copper	7.77	3.00		ug/L	1	8/29/2006
Iron	ND	15.0		mg/L	1	8/29/2006
Nickel	32.2	25.0		ug/L	1	8/29/2006
Selenium	ND	5.00		ug/L	1	8/29/2006
Zinc	682	10.0		mg/L	1	8/29/2006
ICP-MS METALS, DISSOLVED/DIGCT		E200.8		SW3005A		Analyst: SW
Antimony	0.324	0.500		ug/L	1	8/15/2006
Arsenic	2.03	0.500		ug/L	1	8/15/2006
Beryllium	ND	0.100		ug/L	1	8/15/2006
Lead	0.291	0.100		ug/L	1	8/15/2006
Selenium	1.77	1.00		ug/L	1	8/15/2006
Silver	0.316	0.500		ug/L	1	8/15/2006
Thallium	0.035	0.500		ug/L	1	8/15/2006
AQUEOUS MERCURY - DISSOLVED		E245.1				Analyst: ML
Mercury	ND	0.100		ug/L	1	8/21/2006
ANIONS BY ION CHROMATOGRAPHY		E300.0				Analyst: SW
Chloride	64.1	5.00		mg/L	20	9/12/2006
Sulfate	722	10.0		mg/L	20	9/12/2006
NITRATE/NITRITE BY AUTO-ANALYZER		E353.2				Analyst: CR
Nitrogen, Nitrate (Nitrate + Nitrite)	ND	0.050		mg/L	1	9/1/2006
pH MEASUREMENT-WATER		E150.1				Analyst: ADM
pH	8.4	0.1		SU	1	9/11/2006
CONDUCTIVITY		A2510B				Analyst: ADM
Specific Conductivity	1920	1		Jm/Scm	1	9/11/2006

Qualifiers:
B: Holding time for preparation or analysis exceeded
Lab: Analysis Reporting Limit
ND: Not Detected at the Method Detection Limit (MDL)
J: Analyte detected below the Reporting Limit
MDL: Method Detection Limit

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P.O. Box 4010
220 Technology Way
Butte, MT 59701
Lab: 406-494-7234
Fax: 406-494-7230
labinfo@mse-ta.com

MSE-TA Analytical Laboratory

Date: *29-Sep-06*

CLIENT: Pioneer Technical Services
Client Sample ID: BSB-GW-06
Lab Order: 0609045
Collection Date: 9/5/2006 3:30:00 PM
Project: BSB OLD LANDFILL/CLARK TAILINGS
Lab ID: 0609045-006 CLK-1
Matrix: AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
ICP-AES METALS, DISSOLVED/DIRECT		**E200.7**		**SW3005A**		Analyst: **CR**
Barium	27.7	3.00		µg/L	2	9/28/2006
Chromium	ND	40.0		µg/L	2	9/28/2006
Copper	ND	6.00		µg/L	2	9/28/2006
Iron	19400	30.0		µg/L	2	9/28/2006
Nickel	129	125		µg/L	5	9/28/2006
Vanadium	ND	10.0		µg/L	2	9/28/2006
Zinc	89000	20.0		µg/L	2	9/28/2006
ICP-MS METALS, DISSOLVED/DIRECT		**E200.8**		**SW3005A**		Analyst: **SW**
Antimony	0.122	0.300	J	µg/L	1	9/15/2006
Arsenic	77.1	0.500		µg/L	1	9/15/2006
Beryllium	0.464	0.050		µg/L	1	9/15/2006
Lead	0.331	0.100		µg/L	1	9/15/2006
Selenium	10.1	1.00		µg/L	1	9/15/2006
Silver	0.288	0.800	J	µg/L	1	9/15/2006
Thallium	0.076	0.050		µg/L	1	9/15/2006
AQUEOUS MERCURY - DISSOLVED		**E245.1**				Analyst: **KJ**
Mercury	ND	0.100		µg/L	1	9/21/2006
ANIONS BY ION CHROMATOGRAPHY		**E300.0**				Analyst: **SW**
Chloride	33.2	5.00		mg/L	20	9/13/2006
Sulfate	1430	10.0		mg/L	20	9/13/2006
NITRATE/NITRITE BY AUTO-ANALYZER		**E353.2**				Analyst: **CR**
Nitrogen, Nitrate-Nitrite	ND	0.050		mg/L	1	9/13/2006
PH MEASUREMENT-WATER		**E150.1**				Analyst: **ADM**
pH	6.0	0.1		SU	1	9/11/2006
CONDUCTIVITY		**A2510B**				Analyst: **ADM**
Specific Conductivity	2410	1		µmhos/cm	1	9/11/2006

SW **Review**

Qualifiers:

H	Holding times for preparation or analysis exceeded	J	Analyte detected below the Reporting Limit
Limit	Instrument Reporting Limit	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit (MDL)		

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200 Technology Way
Butte, MT 59701
Lab: 406-494-7334
Fax: 406-494-7230
labinfo@mse-ta.com

MSS-TA Analytical Laboratory

CLIENT:	Pioneer Technical Services	Client Sample ID:	BCP CW-05
Lab Order:	0810045	Collection Date:	9/9/2008 3:40:00 PM
Project:	BSA OUD LANDFILL CLASS TAILINGS		
Lab ID:	0810045-03B	Matrix:	AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
ICP-AES METALS, DISSOLVED/DIRECT		E200.7		SW3005A		Analyzed: CR
Barium	21.7	2.00		ug/L	2	9/24/2008
Chromium	ND	40.0		ug/L	2	9/24/2008
Copper	ND	6.00		ug/L	2	9/24/2008
Iron	19400	30.0		ug/L	2	9/24/2008
Nickel	120	100		ug/L	2	9/24/2008
Selenium	ND	10.0		ug/L	2	9/24/2008
Zinc	8000	20.0		ug/L	2	9/24/2008
ICP-MS METALS, DISSOLVED/DIRECT		E200.8		SW3005A		Analyzed: SW
Antimony	0.120	0.100		ug/L	1	9/19/2008
Arsenic	77.1	0.500		ug/L	1	9/19/2008
Beryllium	0.400	0.050		ug/L	1	9/19/2008
Lead	0.287	0.100		ug/L	1	9/19/2008
Magnesium	10.1	1.00		mg/L	1	9/19/2008
Silver	0.088	0.050		ug/L	1	9/19/2008
Thallium	0.070	0.050		ug/L	1	9/19/2008
AQUEOUS MERCURY - DISSOLVED		E245.1				Analyzed: KG
Mercury	ND	0.100		ug/L	1	9/12/2008
ANIONS BY ION CHROMATOGRAPHY		E300.0				Analyzed: SW
Chloride	22.2	5.00		mg/L	20	9/18/2008
Sulfate	1430	10.0		mg/L	20	9/18/2008
NITRATE/NITRITE BY AUTO ANALYZER		E353.2				Analyzed: CR
Nitrogen, Nitrate (Nitrate)	ND	0.050		mg/L	1	9/17/2008
pH MEASUREMENT-WATER		E150.1				Analyzed: ADM
pH	8.0	0.1		SU	1	9/17/2008
CONDUCTIVITY		A2510B				Analyzed: ADM
Specific Conductivity	2410	1		umhos/cm	1	9/17/2008

CHAIN OF CUSTODY

PROJECT ID: BSB Old Landfill/Clark Tailings

LABORATORY PERFORMING ANALYSIS: MSE

SAMPLERS (Signature): Brad Hollamon

06009045

ANALYSIS REQUESTED

SAMPLE ID	LAB ID	DATE	TIME	pH, SC, Cl⁻, SO4⁻², NO2/NO3	CN⁻	COD	Diss. Metals			
BSB-GW-04	-001	9/5/06	11:15	X	X	X				
BSB-GW-01	-002		12:06	X	X	X	X			
BSB-GW-02	-003		13:30	X	X	X				
BSB-GW-05	-004		14:15	X	X	X				
BSB-GW-07	-005		14:55	X			X			
BSB-GW-06	-006		15:30	X			X			

REMARKS

Turnaround Time (TAT)

- [x] Standard TAT
- [ ] Rush TAT (please contact laboratory personnel for arrangements)

Invoice: Gary Keeler, BSB Public Works Dept., 126 W. Granite, Butte, MT, 59701

Invoice PTS

RELINQUISHED BY (Signature)	DATE	TIME	RECEIVED BY (Signature)	DATE	TIME
Brad Hollamon	9/6/06	13:08	Gary F. Wyss	9/06/06	1308
PRINTED NAME: Brad Hollamon	COMPANY: PTS		PRINTED NAME: Gary F. Wyss	COMPANY: MSE Lab	
RELINQUISHED BY (Signature)	DATE	TIME	RECEIVED BY (Signature)	DATE	TIME
PRINTED NAME	COMPANY		PRINTED NAME	COMPANY	
RELINQUISHED BY (Signature)	DATE	TIME	RECEIVED FOR LAB BY (Signature)	DATE	TIME
PRINTED NAME	COMPANY		PRINTED NAME	COMPANY	

COMMENTS

Results: Shawn Bisch PTS.

Temp 3.0°C

MSE Technology Applications, Inc.
200 Technology Way
P.O. Box 4078 Butte, MT 59701
PH: (406) 494-7100 / Fax: (406) 494-7230

CHAIN OF CUSTODY

PROJECT ID: RSB Landfill/Clark Tailings

LABORATORY PERFORMING ANALYSIS: MSE

SAMPLERS (Signature): Brad Hollaman

ANALYSIS REQUESTED

SAMPLE ID	LAB ID	DATE	TIME	Pb/Mn/Cd/Cr/Zn	Cu	COD	Mg/Mn/Cd	REMARKS
RSB-GW-04	-007	9/6/06	11:15	X	X	X		Invoice: Grand Keeler
RSB-GW-01	-009		12:06	X	X	X	X	RSB Public Works Dept.
RSB-GW-02	-003		13:30	X	X	X		126 W. Granite
RSB-GW-05	-004		14:15	X	X	X		Butte, Mt. 59701
RSB-GW-07	-005		14:55	X			X	
RSB-GW-06	-006		15:30	X			X	Invoice PTS

Turnaround Time (TAT)

X Standard TAT

☐ Rush TAT (please contact laboratory personnel for arrangements)

RELINQUISHED BY (Signature)	DATE	TIME	RECEIVED BY (Signature)	DATE	TIME	COMMENTS
Brad Hollaman	9/6/06	13:08	Hand Wyse	9/06/06	1308	Results: Shown
PRINTED NAME: Brad Hollaman	COMPANY: PTS		PRINTED NAME: Carl E. Wyss	COMPANY: MSE Lab		Bisch PTS
RELINQUISHED BY (Signature)	DATE	TIME	RECEIVED BY (Signature)	DATE	TIME	Temp 3.0°C
PRINTED NAME	COMPANY		PRINTED NAME	COMPANY		
RELINQUISHED BY (Signature)	DATE	TIME	RECEIVED FOR LAB BY (Signature)	DATE	TIME	
PRINTED NAME	COMPANY		PRINTED NAME	COMPANY		

MSE Technology Applications, Inc.
206 Technology Way
P.O. Box 4078 Butte, MT 59701
PH: (406) 494-7160 / Fax: (406) 494-7230

MSE-TA Analytical Laboratory

Sample Receipt Checklist

Client Name **PTS-BUTTE** Date and Time Received: **9/6/2006 3:35:45 PM**

Work Order Number **0609045** RcptNo: **1** Received by **GW**

COC_ID: CoolerID:

Checklist completed b MMcCarty (Signature) 9/6/06 (Date) Reviewed by bt (Initials) 9/7/06 (Date)

Matrix water Carrier name

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☑	Blank ☐

All OK Except Adjusted? Yes Checked by BO 9/6/06

004B(CN) pH@ 9 added 2mL NaOH 10N to pH of 12

Any No and/or NA (not applicable) response must be detailed in the comments section b

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments:

Corrective Action _____

M3E-TA Analytical Laboratory

Sample Receipt Checklist

Client Name: 415-SOTTE

Date and Time Received: 09/02/03 3:30:45 PM

Work Order Number: 0309043

Received: Y

Received by: GW

Cooler ID:

Cooler condition: Intact

Reviewed by: [illegible]

Name: [illegible]

Shipping container received in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles/containers?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/temp blank temperature in compliance?	Yes ☒	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☒	Yes ☐	No ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☒	Blank ☐

Adjusted? yes Checked by [illegible] 09/02/03

All OK except (N) pH of received sample was 10 pH 12

Any No and/or NA must be explained or resolved before the sample can be logged in.

Client contacted: Date contacted: Person contacted:

Contacted by: Regarding:

Comments:

Corrective Action:

Project Manager Review:

Shawn Elson
Pioneer Technical Services
PTS Lab 3115
(530) 243-7555

** REPORT **

Pioneer Technical Services
Brad Hollamon
307 E. Park Ave #305
Anaconda MT 59711

ENERGY LABORATORIES
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ANALYTICAL SUMMARY REPORT

September 21, 2006

Butte Silver Bow Public Works Dept
126 West Granite
Butte, MT 59701

Workorder No.: H06090044
Project Name: Old Landfill

Energy Laboratories Inc received the following 4 samples from Butte Silver Bow Public Works Dept on 9/7/2006 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
H06090044-001	BSB-GW-04	09/05/06 11:15	09/07/06	Aqueous	8151-Herbicides, Chlorinated Separatory Funnel Liquid-Liquid Ext. Semi-Volatile Organic Compounds - 40 CFR Part 258 8260-Volatile Organic Comp, 40 CFR Part 258 App II
H06090044-002	BSB-GW-01	09/05/06 12:00	09/07/06	Aqueous	Same As Above
H06090044-003	BSB-GW-02	09/05/06 13:30	09/07/06	Aqueous	Same As Above
H06090044-004	BSB-GW-05	09/05/06 14:15	09/07/06	Aqueous	Same As Above

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative or Report.

If you have any questions regarding these tests results, please call.

Report Approved By: Jennifer Hayes

ENERGY LABORATORIES
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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: H06090044-001
Client Sample ID: BSB-GW-04

Report Date: 09/21/06
Collection Date: 09/05/06 11:15
DateReceived: 09/07/06
Matrix: Aqueous

BSB-A5

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	09/11/06 14:13 / eli-b
Acetonitrile	ND	ug/L		20		SW8260B	09/11/06 14:13 / eli-b
Acrolein	ND	ug/L		20		SW8260B	09/11/06 14:13 / eli-b
Acrylonitrile	ND	ug/L		20		SW8260B	09/11/06 14:13 / eli-b
Allyl chloride	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
Benzene	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
Bromochloromethane	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
Bromodichloromethane	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
Bromoform	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
Bromomethane	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
Carbon disulfide	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
Chlorobenzene	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
Chloroethane	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
Chloroform	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
Chloromethane	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
Chloroprene	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
Dibromomethane	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
cis-1,2-Dichloroethene	1.2	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
Ethylbenzene	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
2-Hexanone	ND	ug/L		20		SW8260B	09/11/06 14:13 / eli-b
Iodomethane	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: H06090044-001
Client Sample ID: BSB-GW-04

Report Date: 09/21/06
Collection Date: 09/05/06 11:15
DateReceived: 09/07/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Isobutanol	ND	ug/L		50		SW8260B	09/11/06 14:13 / eli-b
Methacrylonitrile	ND	ug/L		20		SW8260B	09/11/06 14:13 / eli-b
Methyl ethyl ketone	ND	ug/L		20		SW8260B	09/11/06 14:13 / eli-b
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	09/11/06 14:13 / eli-b
Methyl methacrylate	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
Methylene chloride	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
Naphthalene	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
Pentachloroethane	ND	ug/L		2.0		SW8260B	09/11/06 14:13 / eli-b
Propionitrile	ND	ug/L		20		SW8260B	09/11/06 14:13 / eli-b
Styrene	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
Tetrachloroethene	0.78	ug/L	J	1.0		SW8260B	09/11/06 14:13 / eli-b
Toluene	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
Trichloroethene	0.22	ug/L	J	1.0		SW8260B	09/11/06 14:13 / eli-b
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
Vinyl acetate	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
Vinyl chloride	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
m+p-Xylenes	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
o-Xylene	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
Xylenes, Total	ND	ug/L		1.0		SW8260B	09/11/06 14:13 / eli-b
Surr: 1,2-Dichloroethane-d4	112	%REC			70-130	SW8260B	09/11/06 14:13 / eli-b
Surr: Dibromofluoromethane	113	%REC			77-126	SW8260B	09/11/06 14:13 / eli-b
Surr: p-Bromofluorobenzene	112	%REC			76-127	SW8260B	09/11/06 14:13 / eli-b
Surr: Toluene-d8	112	%REC			79-122	SW8260B	09/11/06 14:13 / eli-b
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4,5-Tetrachlorobenzene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
1,2-Dichlorobenzene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
1,3,5-Trinitrobenzene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
1,3-Dinitrobenzene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
1,4-Benzenediamine	ND	ug/L	P			SW8270C	09/12/06 00:36 / eli-b
1,4-Dichlorobenzene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
1,4-Naphthoquinone	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
1-Methylnaphthalene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
1-Naphthylamine	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: H06090044-001
Client Sample ID: BSB-GW-04

Report Date: 09/21/06
Collection Date: 09/05/06 11:15
DateReceived: 09/07/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
2,3,4,6-Tetrachlorophenol	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
2,4,5-Trichlorophenol	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
2,4,6-Trichlorophenol	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
2,4-Dichlorophenol	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
2,4-Dimethylphenol	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
2,4-Dinitrophenol	ND	ug/L		50		SW8270C	09/12/06 00:36 / eli-b
2,4-Dinitrotoluene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
2,6-Dichlorophenol	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
2,6-Dinitrotoluene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
2-Acetylaminofluorene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
2-Chloronaphthalene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
2-Chlorophenol	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
2-Methylnaphthalene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
2-Naphthylamine	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
2-Nitroaniline	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
2-Nitrophenol	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
2-Picoline	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
3,3´-Dichlorobenzidine	ND	ug/L		20		SW8270C	09/12/06 00:36 / eli-b
3,3´-Dimethylbenzidine	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
3-Methylcholanthrene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
3-Nitroaniline	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
4,6-Dinitro-2-methylphenol	ND	ug/L		50		SW8270C	09/12/06 00:36 / eli-b
4-Aminobiphenyl	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
4-Bromophenyl phenyl ether	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
4-Chloro-2-methylphenol	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
4-Chloro-3-methylphenol	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
4-Chlorophenol	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
4-Chlorophenyl phenyl ether	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
4-Nitroaniline	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
4-Nitrophenol	ND	ug/L		50		SW8270C	09/12/06 00:36 / eli-b
4-Nitroquinoline-n-oxide	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
5-Nitro-o-toluidine	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
7,12-Dimethylbenz(a)anthracene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
a,a-Dimethylphenethylamine	ND	ug/L	P			SW8270C	09/12/06 00:36 / eli-b
Acenaphthene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Acenaphthylene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Acetophenone	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Aniline	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Anthracene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Azobenzene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Benzidine	ND	ug/L		20		SW8270C	09/12/06 00:36 / eli-b
Benzo(a)anthracene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Dove River Power/Rock Wood Dock
Project: Oil Lands
Lab ID: H0300004-001
Client Sample ID: B30 GW-01

Receive Date: 03/21/03
Collection Date: 03/06/03 17:10
Prep Date: 03/21/03
Matrix: Aqueous

Analyte	Result	Units	Qualifiers	MCL	PQL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
2,3,4,6-Tetrachlorophenol	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
2,4,5-Trichlorophenol	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
2,4,6-Trichlorophenol	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
2,4-Dichlorophenol	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
2,4-Dimethylphenol	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
2,4-Dinitrophenol	ND	ug/L			50	SW8270C	03/27/03 00:36 / ebb
2,4-Dinitrotoluene	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
2,6-Dinitrotoluene	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
2-Chloronaphthalene	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
2-Chlorophenol	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
2-Methylnaphthalene	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
2-Methylphenol	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
2-Nitroaniline	ND	ug/L			50	SW8270C	03/27/03 00:36 / ebb
2-Nitrophenol	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
3,3'-Dichlorobenzidine	ND	ug/L			20	SW8270C	03/27/03 00:36 / ebb
3,4-Methylphenol	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
3-Nitroaniline	ND	ug/L			50	SW8270C	03/27/03 00:36 / ebb
4,6-Dinitro-2-methylphenol	ND	ug/L			50	SW8270C	03/27/03 00:36 / ebb
4-Bromophenyl-phenylether	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
4-Chloro-3-methylphenol	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
4-Chloroaniline	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
4-Chlorophenyl-phenylether	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
4-Nitroaniline	ND	ug/L			50	SW8270C	03/27/03 00:36 / ebb
4-Nitrophenol	ND	ug/L			50	SW8270C	03/27/03 00:36 / ebb
Acenaphthene	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Acenaphthylene	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Aniline	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Anthracene	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Benzidine	ND	ug/L			50	SW8270C	03/27/03 00:36 / ebb
Benzo(a)anthracene	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Benzo(a)pyrene	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Benzo(b)fluoranthene	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Benzo(g,h,i)perylene	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Benzo(k)fluoranthene	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Benzoic acid	ND	ug/L			50	SW8270C	03/27/03 00:36 / ebb
Benzyl alcohol	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Bis(2-chloroethoxy)methane	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Bis(2-chloroethyl)ether	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Bis(2-chloroisopropyl)ether	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Bis(2-ethylhexyl)phthalate	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Butylbenzylphthalate	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Carbazole	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Chrysene	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Dibenzofuran	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Diethylphthalate	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Dimethylphthalate	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Di-n-butylphthalate	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Di-n-octylphthalate	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Fluoranthene	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Fluorene	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Hexachlorobenzene	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Hexachlorobutadiene	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Hexachlorocyclopentadiene	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Hexachloroethane	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Indeno(1,2,3-cd)pyrene	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Isophorone	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Naphthalene	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Nitrobenzene	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
N-Nitrosodimethylamine	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
N-Nitrosodi-n-propylamine	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
N-Nitrosodiphenylamine	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Pentachlorophenol	ND	ug/L			50	SW8270C	03/27/03 00:36 / ebb
Phenanthrene	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Phenol	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb
Pyrene	ND	ug/L			10	SW8270C	03/27/03 00:36 / ebb

Report Definitions:
RL - Analyte reporting limit
MCL - Maximum contaminant level
QCL - Quality control limit
ND - Not detected at the reporting limit
R - Poor recovery confirmed. Results very strong matrix interference. Known to interfere at low levels or without clean up.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: H06090044-001
Client Sample ID: BSB-GW-04

Report Date: 09/21/06
Collection Date: 09/05/06 11:15
DateReceived: 09/07/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Benzo(a)pyrene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Benzo(b)fluoranthene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Benzo(g,h,i)perylene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Benzo(k)fluoranthene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Benzyl alcohol	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
bis(-2-chloroethoxy)Methane	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
bis(-2-chloroethyl)Ether	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
bis(2-chloroisopropyl)Ether	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
bis(2-ethylhexyl)Phthalate	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Butylbenzylphthalate	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Chlorobenzilate	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Chrysene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Dibenzo(a,h)anthracene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Dibenzofuran	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Diethyl phthalate	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Dimethoate	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Dimethyl phthalate	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Di-n-butyl phthalate	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Di-n-octyl phthalate	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Diphenylamine	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Disulfoton	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Ethyl methanesulfonate	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Famphur	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Fluoranthene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Fluorene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Hexachlorobenzene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Hexachlorobutadiene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Hexachlorocyclopentadiene	ND	ug/L		20		SW8270C	09/12/06 00:36 / eli-b
Hexachloroethane	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Hexachlorophene	ND	ug/L	P			SW8270C	09/12/06 00:36 / eli-b
Hexachloropropene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Indeno(1,2,3-cd)pyrene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Isophorone	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Isosafrole	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
m+p-Cresols	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Methapyrilene	ND	ug/L	P			SW8270C	09/12/06 00:36 / eli-b
Methyl methanesulfonate	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Methyl parathion	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Naphthalene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Nitrobenzene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
n-Nitrosodiethylamine	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
n-Nitrosodimethylamine	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Suffolk County Public Works Dept
Project: Old Landfill
Lab ID: [illegible]
Client Sample ID: [illegible]

Report Date: [illegible]
Collection Date: [illegible]
Date/Time Received: [illegible]
Matrix: Aqueous

Analyte	Result	Units	Qualifiers	RL	MDL / CRL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
[illegible]	ND	ug/L		10		SW8270C	[illegible]

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: H06090044-001
Client Sample ID: BSB-GW-04

Report Date: 09/21/06
Collection Date: 09/05/06 11:15
DateReceived: 09/07/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
n-Nitroso-di-n-butylamine	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
n-Nitroso-di-n-propylamine	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
n-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
n-Nitrosomethylethylamine	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
n-Nitrosomorpholine	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
n-Nitrosopiperidine	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
n-Nitrosopyrrolidine	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
o,o,o-Triethyl phosphorothioate	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
o-Cresol	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
o-Toluidine	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
p-(dimethylamino)Azobenzene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Parathion	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
p-Chloroaniline	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Pentachlorobenzene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Pentachloronitrobenzene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Pentachlorophenol	ND	ug/L		50		SW8270C	09/12/06 00:36 / eli-b
Phenacetin	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Phenanthrene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Phenol	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Phorate	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Pronamide	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Pyrene	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Pyridine	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Safrole	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Sulfotep	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Thionazin	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Aramite	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Diallate	ND	ug/L		10		SW8270C	09/12/06 00:36 / eli-b
Surr: 2,4,6-Tribromophenol	89.0	%REC			10-123	SW8270C	09/12/06 00:36 / eli-b
Surr: 2-Fluorobiphenyl	84.0	%REC			43-116	SW8270C	09/12/06 00:36 / eli-b
Surr: 2-Fluorophenol	36.0	%REC			21-100	SW8270C	09/12/06 00:36 / eli-b
Surr: Nitrobenzene-d5	79.0	%REC			35-114	SW8270C	09/12/06 00:36 / eli-b
Surr: Phenol-d5	31.0	%REC			10-94	SW8270C	09/12/06 00:36 / eli-b
Surr: Terphenyl-d14	94.0	%REC			33-141	SW8270C	09/12/06 00:36 / eli-b
HERBICIDES, CHLORINATED							
2,4-D	ND	ug/L		1.0		SW8151A	09/19/06 14:51 / eli-b
Dinoseb	ND	ug/L		1.0		SW8151A	09/19/06 14:51 / eli-b
2,4,5-T	ND	ug/L		0.20		SW8151A	09/19/06 14:51 / eli-b
2,4,5-TP (Silvex)	ND	ug/L		0.20		SW8151A	09/19/06 14:51 / eli-b
Surr: DCAA	81.0	%REC			57-125	SW8151A	09/19/06 14:51 / eli-b

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: H06090044-002
Client Sample ID: BSB-GW-01

Report Date: 09/21/06
Collection Date: 09/05/06 12:00
DateReceived: 09/07/06
Matrix: Aqueous

MBM6-2

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	09/11/06 14:43 / eli-b
Acetonitrile	ND	ug/L		20		SW8260B	09/11/06 14:43 / eli-b
Acrolein	ND	ug/L		20		SW8260B	09/11/06 14:43 / eli-b
Acrylonitrile	ND	ug/L		20		SW8260B	09/11/06 14:43 / eli-b
Allyl chloride	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
Benzene	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
Bromochloromethane	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
Bromodichloromethane	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
Bromoform	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
Bromomethane	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
Carbon disulfide	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
Chlorobenzene	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
Chloroethane	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
Chloroform	0.45	ug/L	J	1.0		SW8260B	09/11/06 14:43 / eli-b
Chloromethane	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
Chloroprene	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
Dibromomethane	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
Ethylbenzene	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
2-Hexanone	ND	ug/L		20		SW8260B	09/11/06 14:43 / eli-b
Iodomethane	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: H06090044-002
Client Sample ID: BSB-GW-01

Report Date: 09/21/06
Collection Date: 09/05/06 12:00
DateReceived: 09/07/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Isobutanol	ND	ug/L		50		SW8260B	09/11/06 14:43 / eli-b
Methacrylonitrile	ND	ug/L		20		SW8260B	09/11/06 14:43 / eli-b
Methyl ethyl ketone	ND	ug/L		20		SW8260B	09/11/06 14:43 / eli-b
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	09/11/06 14:43 / eli-b
Methyl methacrylate	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
Methylene chloride	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
Naphthalene	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
Pentachloroethane	ND	ug/L		2.0		SW8260B	09/11/06 14:43 / eli-b
Propionitrile	ND	ug/L		20		SW8260B	09/11/06 14:43 / eli-b
Styrene	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
Tetrachloroethene	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
Toluene	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
Trichloroethene	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
Vinyl acetate	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
Vinyl chloride	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
m+p-Xylenes	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
o-Xylene	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
Xylenes, Total	ND	ug/L		1.0		SW8260B	09/11/06 14:43 / eli-b
Surr: 1,2-Dichloroethane-d4	113	%REC			70-130	SW8260B	09/11/06 14:43 / eli-b
Surr: Dibromofluoromethane	114	%REC			77-126	SW8260B	09/11/06 14:43 / eli-b
Surr: p-Bromofluorobenzene	112	%REC			76-127	SW8260B	09/11/06 14:43 / eli-b
Surr: Toluene-d8	112	%REC			79-122	SW8260B	09/11/06 14:43 / eli-b
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4,5-Tetrachlorobenzene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
1,2-Dichlorobenzene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
1,3,5-Trinitrobenzene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
1,3-Dinitrobenzene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
1,4-Benzenediamine	ND	ug/L	P			SW8270C	09/12/06 01:07 / eli-b
1,4-Dichlorobenzene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
1,4-Naphthoquinone	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
1-Methylnaphthalene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
1-Naphthylamine	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Quin Silver Bay Plans Verde Deal
Project: Oil Lagoon
Lab ID: 1806260-002
Client Sample ID: SS8-DW-01

Report Date: 06/27/24
Collection Date: 06/26/24 12:00
Date Received: 06/27/24
Matrix: Soil/Solid

Analyte	Result	Units	Qualifiers	RL	MCL / QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		50		SW8260B	06/27/24 14:23 / eab
Acetonitrile (A)	ND	ug/L		20		SW8260B	06/27/24 14:23 / eab
Acrylonitrile	ND	ug/L		20		SW8260B	06/27/24 14:23 / eab
Benzene	ND	ug/L		20		SW8260B	06/27/24 14:23 / eab
Bromobenzene	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
Bromoform	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
Bromomethane	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
2-Butanone (MEK)	ND	ug/L		3.0		SW8260B	06/27/24 14:23 / eab
n-Butylbenzene	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
Chloroethane	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
Chloroform	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
Chloromethane	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
1,2-Dibromoethane (EDB)	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
Dibromomethane	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
1,1-Dichloroethylene	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
1,2-Dichloroethylene	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
Isopropylbenzene	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
Methylene chloride	ND	ug/L		5.0		SW8260B	06/27/24 14:23 / eab
Naphthalene	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
n-Propylbenzene	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
Styrene	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
Tetrachloroethylene (PCE)	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
Toluene	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
Trichloroethylene (TCE)	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
m,p-Xylene	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
o-Xylene	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
Xylenes, Total	ND	ug/L		1.0		SW8260B	06/27/24 14:23 / eab
Surr: 1,2-Dichloroethane-d4	112	%Rec		70-130		SW8260B	06/27/24 14:23 / eab
Surr: Dibromofluoromethane	114	%Rec		70-127		SW8260B	06/27/24 14:23 / eab
Surr: p-Bromofluorobenzene	113	%Rec		75-127		SW8260B	06/27/24 14:23 / eab
Surr: Toluene-d8	112	%Rec		75-121		SW8260B	06/27/24 14:23 / eab
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,3,4,6-Tetrachlorobenzene	ND	ug/L		10		SW8270D	06/28/24 01:07 / ebb
2,4,5-Trichlorophenol	ND	ug/L		10		SW8270D	06/28/24 01:07 / ebb
2,4,6-Trichlorophenol	ND	ug/L		10		SW8270D	06/28/24 01:07 / ebb
2,4-Dichlorophenol	ND	ug/L		10		SW8270D	06/28/24 01:07 / ebb
2,4-Dimethylphenol	ND	ug/L		10		SW8270D	06/28/24 01:07 / ebb
2,4-Dinitrophenol	ND	ug/L		10		SW8270D	06/28/24 01:07 / ebb
2,4-Dinitrotoluene	ND	ug/L		10		SW8270D	06/28/24 01:07 / ebb
2,6-Dinitrotoluene	ND	ug/L		10		SW8270D	06/28/24 01:07 / ebb
2-Chlorophenol	ND	ug/L		10		SW8270D	06/28/24 01:07 / ebb
2-Methylphenol	ND	ug/L		10		SW8270D	06/28/24 01:07 / ebb
2-Nitroaniline	ND	ug/L		10		SW8270D	06/28/24 01:07 / ebb
2-Nitrophenol	ND	ug/L		10		SW8270D	06/28/24 01:07 / ebb
3,3'-Dichlorobenzidine	ND	ug/L		10		SW8270D	06/28/24 01:07 / ebb
3-Methylphenol (m-Cresol)	ND	ug/L		10		SW8270D	06/28/24 01:07 / ebb
3-Nitroaniline	ND	ug/L		10		SW8270D	06/28/24 01:07 / ebb
4,6-Dinitro-2-methylphenol	ND	ug/L		10		SW8270D	06/28/24 01:07 / ebb
4-Bromophenyl-phenylether	ND	ug/L		10		SW8270D	06/28/24 01:07 / ebb
4-Chloro-3-methylphenol	ND	ug/L		10		SW8270D	06/28/24 01:07 / ebb
4-Chloroaniline	ND	ug/L		10		SW8270D	06/28/24 01:07 / ebb
4-Chlorophenyl-phenylether	ND	ug/L		10		SW8270D	06/28/24 01:07 / ebb
4-Nitroaniline	ND	ug/L		10		SW8270D	06/28/24 01:07 / ebb
4-Nitrophenol	ND	ug/L		10		SW8270D	06/28/24 01:07 / ebb

Report Limit (RL) - Analyte reporting limit
Qualifiers: QCL - Quality control limit
B - Analyte detected in the associated method blank
J - Estimated value; an analyte was positively identified but the result is less than the RL
ND - Not detected at the reporting limit

MCL - Maximum contaminant level
ND - Not detected at the reporting limit

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: H06090044-002
Client Sample ID: BSB-GW-01

Report Date: 09/21/06
Collection Date: 09/05/06 12:00
DateReceived: 09/07/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
2,3,4,6-Tetrachlorophenol	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
2,4,5-Trichlorophenol	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
2,4,6-Trichlorophenol	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
2,4-Dichlorophenol	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
2,4-Dimethylphenol	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
2,4-Dinitrophenol	ND	ug/L		50		SW8270C	09/12/06 01:07 / eli-b
2,4-Dinitrotoluene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
2,6-Dichlorophenol	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
2,6-Dinitrotoluene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
2-Acetylaminofluorene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
2-Chloronaphthalene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
2-Chlorophenol	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
2-Methylnaphthalene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
2-Naphthylamine	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
2-Nitroaniline	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
2-Nitrophenol	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
2-Picoline	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
3,3´-Dichlorobenzidine	ND	ug/L		20		SW8270C	09/12/06 01:07 / eli-b
3,3´-Dimethylbenzidine	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
3-Methylcholanthrene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
3-Nitroaniline	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
4,6-Dinitro-2-methylphenol	ND	ug/L		50		SW8270C	09/12/06 01:07 / eli-b
4-Aminobiphenyl	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
4-Bromophenyl phenyl ether	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
4-Chloro-2-methylphenol	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
4-Chloro-3-methylphenol	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
4-Chlorophenol	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
4-Chlorophenyl phenyl ether	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
4-Nitroaniline	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
4-Nitrophenol	ND	ug/L		50		SW8270C	09/12/06 01:07 / eli-b
4-Nitroquinoline-n-oxide	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
5-Nitro-o-toluidine	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
7,12-Dimethylbenz(a)anthracene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
a,a-Dimethylphenethylamine	ND	ug/L	P			SW8270C	09/12/06 01:07 / eli-b
Acenaphthene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Acenaphthylene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Acetophenone	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Aniline	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Anthracene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Azobenzene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Benzidine	ND	ug/L		20		SW8270C	09/12/06 01:07 / eli-b
Benzo(a)anthracene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Alpha Silver Mine Pollution Abatement
Project: Old Layout
Lab ID: V0300204-002
Client Sample ID: SP-1-0700-1

Report Date: 03/27/06
Collection Date: 03/04/06 12:00
Date Received: 03/07/06
Matrix: Aqueous

Analyte	Result	Units	Qualifiers	RL	MCL	MCLG	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4,5-Trichlorophenol	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
2,4,6-Trichlorophenol	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
2,4-Dichlorophenol	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
2,4-Dimethylphenol	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
2,4-Dinitrophenol	ND	ug/L		50			SW8270C	03/20/06 01:07 / ab-b
2,4-Dinitrotoluene	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
2,6-Dinitrotoluene	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
2-Chloronaphthalene	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
2-Chlorophenol	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
2-Methylnaphthalene	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
2-Methylphenol	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
2-Nitroaniline	ND	ug/L		50			SW8270C	03/20/06 01:07 / ab-b
2-Nitrophenol	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
3,3'-Dichlorobenzidine	ND	ug/L		20			SW8270C	03/20/06 01:07 / ab-b
3,4-Methylphenol(m-cresol)	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
3-Nitroaniline	ND	ug/L		50			SW8270C	03/20/06 01:07 / ab-b
4,6-Dinitro-2-methylphenol	ND	ug/L		50			SW8270C	03/20/06 01:07 / ab-b
4-Bromophenyl-phenylether	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
4-Chloro-3-methylphenol	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
4-Chloroaniline	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
4-Chlorophenyl-phenylether	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
4-Nitroaniline	ND	ug/L		50			SW8270C	03/20/06 01:07 / ab-b
4-Nitrophenol	ND	ug/L		50			SW8270C	03/20/06 01:07 / ab-b
Acenaphthene	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
Acenaphthylene	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
Aniline	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
Anthracene	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
Benzo(a)anthracene	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
Benzo(a)pyrene	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
Benzo(b)fluoranthene	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
Benzo(g,h,i)perylene	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
Benzo(k)fluoranthene	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
Benzoic acid	ND	ug/L		50			SW8270C	03/20/06 01:07 / ab-b
Benzyl alcohol	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
Bis(2-chloroethoxy)methane	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
Bis(2-chloroethyl)ether	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
Bis(2-chloroisopropyl)ether	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
Bis(2-ethylhexyl)phthalate	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
Butylbenzylphthalate	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
Carbazole	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
Chrysene	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
Dibenzofuran	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b
Dibenzo(a,h)anthracene	ND	ug/L		10			SW8270C	03/20/06 01:07 / ab-b

Qualifiers: RL - Analyte reporting limit
MCL - Maximum contaminant level
MCLG - Maximum contaminant level goal
MCL - Quality control limit
ND - Not detected at the reporting limit.

B - Blank analyte detection. Method reporting limit
shown is a quantity at the level of analyte detected
in the blank.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: H06090044-002
Client Sample ID: BSB-GW-01

Report Date: 09/21/06
Collection Date: 09/05/06 12:00
DateReceived: 09/07/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Benzo(a)pyrene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Benzo(b)fluoranthene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Benzo(g,h,i)perylene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Benzo(k)fluoranthene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Benzyl alcohol	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
bis(-2-chloroethoxy)Methane	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
bis(-2-chloroethyl)Ether	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
bis(2-chloroisopropyl)Ether	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
bis(2-ethylhexyl)Phthalate	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Butylbenzylphthalate	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Chlorobenzilate	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Chrysene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Dibenzo(a,h)anthracene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Dibenzofuran	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Diethyl phthalate	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Dimethoate	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Dimethyl phthalate	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Di-n-butyl phthalate	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Di-n-octyl phthalate	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Diphenylamine	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Disulfoton	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Ethyl methanesulfonate	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Famphur	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Fluoranthene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Fluorene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Hexachlorobenzene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Hexachlorobutadiene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Hexachlorocyclopentadiene	ND	ug/L		20		SW8270C	09/12/06 01:07 / eli-b
Hexachloroethane	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Hexachlorophene	ND	ug/L	P			SW8270C	09/12/06 01:07 / eli-b
Hexachloropropene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Indeno(1,2,3-cd)pyrene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Isophorone	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Isosafrole	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
m+p-Cresols	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Methapyrilene	ND	ug/L	P			SW8270C	09/12/06 01:07 / eli-b
Methyl methanesulfonate	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Methyl parathion	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Naphthalene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Nitrobenzene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
n-Nitrosodiethylamine	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
n-Nitrosodimethylamine	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Buds River Bottling Works Corp.
Project: Old Lagoon
Lab ID: M0000[illegible]-002
Client Sample ID: [illegible]-01

Report Date: [illegible]
Collection Date: [illegible]
Date/Time Rec'd: [illegible]
Matrix: Aqueous

Analyte	Result	Units	Qualifiers	Sample Amt	MCL	MCL/ Det. Limit	Method	Analysis Date / By
SESI VOLATILE ORGANIC COMPOUNDS								
Benzene	ND	µg/L				10	SW8260C	[illegible]
Bromobenzene	ND	µg/L				10	SW8260C	[illegible]
Bromomethane	ND	µg/L				10	SW8260C	[illegible]
Bromochloromethane	ND	µg/L				10	SW8260C	[illegible]
Bromodichloromethane	ND	µg/L				10	SW8260C	[illegible]
Bromoform	ND	µg/L				10	SW8260C	[illegible]
Bromoethane	ND	µg/L				10	SW8260C	[illegible]
2-Butanone (MEK)	ND	µg/L				10	SW8260C	[illegible]
n-Butylbenzene	ND	µg/L				10	SW8260C	[illegible]
sec-Butylbenzene	ND	µg/L				10	SW8260C	[illegible]
tert-Butylbenzene	ND	µg/L				10	SW8260C	[illegible]
Carbon disulfide	ND	µg/L				10	SW8260C	[illegible]
Carbon tetrachloride	ND	µg/L				10	SW8260C	[illegible]
Chlorobenzene	ND	µg/L				10	SW8260C	[illegible]
Chloroethane	ND	µg/L				10	SW8260C	[illegible]
Chloroform	ND	µg/L				10	SW8260C	[illegible]
Chloromethane	ND	µg/L				10	SW8260C	[illegible]
2-Chlorotoluene	ND	µg/L				10	SW8260C	[illegible]
4-Chlorotoluene	ND	µg/L				10	SW8260C	[illegible]
Dibromomethane	ND	µg/L				10	SW8260C	[illegible]
1,2-Dibromo-3-chloropropane	ND	µg/L				10	SW8260C	[illegible]
1,2-Dibromoethane (EDB)	ND	µg/L				10	SW8260C	[illegible]
Dichlorodifluoromethane	ND	µg/L				10	SW8260C	[illegible]
1,1-Dichloroethane	ND	µg/L				10	SW8260C	[illegible]
1,2-Dichloroethane	ND	µg/L				10	SW8260C	[illegible]
1,1-Dichloroethylene	ND	µg/L				10	SW8260C	[illegible]
cis-1,2-Dichloroethylene	ND	µg/L				10	SW8260C	[illegible]
trans-1,2-Dichloroethylene	ND	µg/L				10	SW8260C	[illegible]
1,2-Dichloropropane	ND	µg/L				10	SW8260C	[illegible]
1,3-Dichloropropane	ND	µg/L				10	SW8260C	[illegible]
2,2-Dichloropropane	ND	µg/L				10	SW8260C	[illegible]
1,1-Dichloropropene	ND	µg/L				10	SW8260C	[illegible]
cis-1,3-Dichloropropene	ND	µg/L				10	SW8260C	[illegible]
trans-1,3-Dichloropropene	ND	µg/L				10	SW8260C	[illegible]
Ethylbenzene	ND	µg/L				10	SW8260C	[illegible]
Hexachlorobutadiene	ND	µg/L				10	SW8260C	[illegible]
Hexachloroethane	ND	µg/L				10	SW8260C	[illegible]
Isopropylbenzene	ND	µg/L				10	SW8260C	[illegible]
4-Isopropylbenzene	ND	µg/L				10	SW8260C	[illegible]
Methylene chloride	ND	µg/L				10	SW8260C	[illegible]
4-Methyl-2-pentanone (MIBK)	ND	µg/L				10	SW8260C	[illegible]
Naphthalene	ND	µg/L				10	SW8260C	[illegible]
n-Propylbenzene	ND	µg/L				10	SW8260C	[illegible]
Styrene	ND	µg/L				10	SW8260C	[illegible]
1,1,1,2-Tetrachloroethane	ND	µg/L				10	SW8260C	[illegible]
1,1,2,2-Tetrachloroethane	ND	µg/L				10	SW8260C	[illegible]
Tetrachloroethylene	ND	µg/L				10	SW8260C	[illegible]
Toluene	ND	µg/L				10	SW8260C	[illegible]
1,2,3-Trichlorobenzene	ND	µg/L				10	SW8260C	[illegible]
1,2,4-Trichlorobenzene	ND	µg/L				10	SW8260C	[illegible]
1,1,1-Trichloroethane	ND	µg/L				10	SW8260C	[illegible]
1,1,2-Trichloroethane	ND	µg/L				10	SW8260C	[illegible]
Trichloroethylene	ND	µg/L				10	SW8260C	[illegible]
Trichlorofluoromethane	ND	µg/L				10	SW8260C	[illegible]
1,2,3-Trichloropropane	ND	µg/L				10	SW8260C	[illegible]
1,2,4-Trimethylbenzene	ND	µg/L				10	SW8260C	[illegible]
1,3,5-Trimethylbenzene	ND	µg/L				10	SW8260C	[illegible]
Vinyl chloride	ND	µg/L				10	SW8260C	[illegible]
m-Xylene & p-Xylene	ND	µg/L				10	SW8260C	[illegible]
o-Xylene	ND	µg/L				10	SW8260C	[illegible]
n-Butylbenzene	ND	µg/L				10	SW8260C	[illegible]
n-Propylbenzene	ND	µg/L				10	SW8260C	[illegible]

Reporting Limit - Analyte reporting limit
Qualifiers: QCL - Outside control limit
ND - Not detected at the reporting limit
MCL - Maximum contaminant level
P - Higher reporting limits due to sample matrix interference
Results reported on a dry weight basis
Continued on next page

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: H06090044-002
Client Sample ID: BSB-GW-01

Report Date: 09/21/06
Collection Date: 09/05/06 12:00
DateReceived: 09/07/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
n-Nitroso-di-n-butylamine	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
n-Nitroso-di-n-propylamine	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
n-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
n-Nitrosomethylethylamine	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
n-Nitrosomorpholine	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
n-Nitrosopiperidine	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
n-Nitrosopyrrolidine	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
o,o,o-Triethyl phosphorothioate	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
o-Cresol	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
o-Toluidine	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
p-(dimethylamino)Azobenzene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Parathion	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
p-Chloroaniline	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Pentachlorobenzene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Pentachloronitrobenzene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Pentachlorophenol	ND	ug/L		50		SW8270C	09/12/06 01:07 / eli-b
Phenacetin	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Phenanthrene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Phenol	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Phorate	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Pronamide	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Pyrene	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Pyridine	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Safrole	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Sulfotep	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Thionazin	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Aramite	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Diallate	ND	ug/L		10		SW8270C	09/12/06 01:07 / eli-b
Surr: 2,4,6-Tribromophenol	82.0	%REC			10-123	SW8270C	09/12/06 01:07 / eli-b
Surr: 2-Fluorobiphenyl	79.0	%REC			43-116	SW8270C	09/12/06 01:07 / eli-b
Surr: 2-Fluorophenol	38.0	%REC			21-100	SW8270C	09/12/06 01:07 / eli-b
Surr: Nitrobenzene-d5	77.0	%REC			35-114	SW8270C	09/12/06 01:07 / eli-b
Surr: Phenol-d5	32.0	%REC			10-94	SW8270C	09/12/06 01:07 / eli-b
Surr: Terphenyl-d14	96.0	%REC			33-141	SW8270C	09/12/06 01:07 / eli-b
HERBICIDES, CHLORINATED							
2,4-D	ND	ug/L		1.0		SW8151A	09/19/06 15:20 / eli-b
Dinoseb	ND	ug/L		1.0		SW8151A	09/19/06 15:20 / eli-b
2,4,5-T	ND	ug/L		0.20		SW8151A	09/19/06 15:20 / eli-b
2,4,5-TP (Silvex)	ND	ug/L		0.20		SW8151A	09/19/06 15:20 / eli-b
Surr: DCAA	83.0	%REC			57-125	SW8151A	09/19/06 15:20 / eli-b

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Gulf Island Fire Fighter Association
Project: Oil Lands
Lab ID: H0805066-003
Client Sample ID: 859-GW-C1

Report Date: 05/23/08
Collection Date: 05/06/08 12:00
Date Received: 05/07/08
Matrix: Aqueous

Analyte	Result	Units	Qualifiers	RL	MCL / CCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Acenaphthene	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
Acenaphthylene	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
Anthracene	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
Benzo(a)anthracene	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
Benzo(a)pyrene	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
Benzo(b)fluoranthene	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
Benzo(ghi)perylene	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
Benzo(k)fluoranthene	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
Chrysene	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
Dibenzo(a,h)anthracene	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
Fluoranthene	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
Fluorene	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
Indeno(1,2,3-cd)pyrene	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
1-Methylnaphthalene	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
2-Methylnaphthalene	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
Naphthalene	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
Phenanthrene	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
Pyrene	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
2-Chlorophenol	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
2-Nitrophenol	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
4-Chloro-3-methylphenol	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
2,4-Dichlorophenol	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
2,4-Dimethylphenol	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
2,4-Dinitrophenol	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
2,4-Dinitrotoluene	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
2,6-Dinitrotoluene	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
2-Nitroaniline	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
3-Nitroaniline	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
4-Nitroaniline	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
2-Chloronaphthalene	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
4-Chlorophenyl-phenylether	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
4-Bromophenyl-phenylether	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
Bis(2-chloroethyl)ether	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
Bis(2-chloroethoxy)methane	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
Hexachlorobenzene	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
Hexachlorobutadiene	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
Hexachlorocyclopentadiene	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
Hexachloroethane	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
Isophorone	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
Nitrobenzene	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
N-Nitrosodimethylamine	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
N-Nitrosodiphenylamine	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
N-Nitrosodipropylamine	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
Bis(2-ethylhexyl)phthalate	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
Butylbenzylphthalate	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
Diethylphthalate	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
Dimethylphthalate	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
Di-n-butylphthalate	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
Di-n-octylphthalate	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
Benzoic Acid	ND	ug/l		50		SW8270C	05/12/08 01:07 / eab
Benzyl Alcohol	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
Benzidine	ND	ug/l		50		SW8270C	05/12/08 01:07 / eab
1,2,4-Trichlorobenzene	ND	ug/l		10		SW8270C	05/12/08 01:07 / eab
4-Bromofluorobenzene	82.0	%REC		10-122		SW8270C	05/12/08 01:07 / eab
2-Fluorobiphenyl	72.0	%REC		43-116		SW8270C	05/12/08 01:07 / eab
2-Fluorophenol	34.0	%REC		21-100		SW8270C	05/12/08 01:07 / eab
Phenol-d6	27.0	%REC		10-111		SW8270C	05/12/08 01:07 / eab
2,4,6-Tribromophenol	82.0	%REC		15-132		SW8270C	05/12/08 01:07 / eab
Nitrobenzene-d5	84.0	%REC		29-141		SW8270C	05/12/08 01:07 / eab
NERIDIENES, CHLORINATED							
2,4-D	ND	ug/l		0		SW8151A	05/13/08 18:20 / eab
Dinoseb	ND	ug/l		1.2		SW8151A	05/13/08 18:20 / eab
2,4,5-T	ND	ug/l		0.20		SW8151A	05/13/08 18:20 / eab
2,4,5-TP (Silvex)	ND	ug/l		0.20		SW8151A	05/13/08 18:20 / eab
Bromoxynil	21.0	%REC		17-125		SW8151A	05/13/08 18:20 / eab

Reporting Limit - RL - Analyte reporting limit.
Method Detection Limit - MDL - The minimum concentration that can be reported.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: H06090044-003
Client Sample ID: BSB-GW-02

BSB-A1

Report Date: 09/21/06
Collection Date: 09/05/06 13:30
DateReceived: 09/07/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	09/11/06 15:12 / eli-b
Acetonitrile	ND	ug/L		20		SW8260B	09/11/06 15:12 / eli-b
Acrolein	ND	ug/L		20		SW8260B	09/11/06 15:12 / eli-b
Acrylonitrile	ND	ug/L		20		SW8260B	09/11/06 15:12 / eli-b
Allyl chloride	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
Benzene	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
Bromochloromethane	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
Bromodichloromethane	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
Bromoform	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
Bromomethane	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
Carbon disulfide	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
Chlorobenzene	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
Chloroethane	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
Chloroform	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
Chloromethane	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
Chloroprene	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
Dibromomethane	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
cis-1,2-Dichloroethene	0.35	ug/L	J	1.0		SW8260B	09/11/06 15:12 / eli-b
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
Ethylbenzene	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
2-Hexanone	ND	ug/L		20		SW8260B	09/11/06 15:12 / eli-b
Iodomethane	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Bure Saver Gas Fuels WM Laboratory
Project: Oil Leaking
Lab ID: H0820014-003
Client Sample ID: BSB-GW-22

Report Date: 08/27/08
Collection Date: 08/06/08 13:35
Date Received: 08/07/08
Matrix: Aqueous

8260B

Analyte	Result	Units	Qualifiers	RL	MCL / CCL	Method	Analysis Date / By
VOA, UTILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	08/11/08 18:12 / aka
Acrylonitrile	ND	ug/L		20		SW8260B	08/11/08 18:12 / aka
Benzene	ND	ug/L		20		SW8260B	08/11/08 18:12 / aka
Bromobenzene	ND	ug/L		20		SW8260B	08/11/08 18:12 / aka
Bromochloromethane	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
Bromodichloromethane	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
Bromoform	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
Bromomethane	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
2-Butanone (MEK)	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
n-Butylbenzene	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
Chlorobenzene	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
Chloroethane	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
Chloroform	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
Chloromethane	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
Dibromochloromethane	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
1,2-Dibromoethane (EDB)	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
Dibromomethane	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
Ethylbenzene	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka
2-Hexanone	ND	ug/L		20		SW8260B	08/11/08 18:12 / aka
Isopropylbenzene	ND	ug/L		1.0		SW8260B	08/11/08 18:12 / aka

Report RL - Analyte reporting limit
Definitions: MCL - Maximum contaminant level
MDL - Method detection limit
ND - Not detected at the reporting limit

J - Estimated value. The analyte was present but was below the reporting limit

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: H06090044-003
Client Sample ID: BSB-GW-02

Report Date: 09/21/06
Collection Date: 09/05/06 13:30
DateReceived: 09/07/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Isobutanol	ND	ug/L		50		SW8260B	09/11/06 15:12 / eli-b
Methacrylonitrile	ND	ug/L		20		SW8260B	09/11/06 15:12 / eli-b
Methyl ethyl ketone	ND	ug/L		20		SW8260B	09/11/06 15:12 / eli-b
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	09/11/06 15:12 / eli-b
Methyl methacrylate	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
Methylene chloride	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
Naphthalene	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
Pentachloroethane	ND	ug/L		2.0		SW8260B	09/11/06 15:12 / eli-b
Propionitrile	ND	ug/L		20		SW8260B	09/11/06 15:12 / eli-b
Styrene	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
Tetrachloroethene	0.80	ug/L	J	1.0		SW8260B	09/11/06 15:12 / eli-b
Toluene	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
Trichloroethene	0.18	ug/L	J	1.0		SW8260B	09/11/06 15:12 / eli-b
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
Vinyl acetate	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
Vinyl chloride	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
m+p-Xylenes	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
o-Xylene	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
Xylenes, Total	ND	ug/L		1.0		SW8260B	09/11/06 15:12 / eli-b
Surr: 1,2-Dichloroethane-d4	118	%REC			70-130	SW8260B	09/11/06 15:12 / eli-b
Surr: Dibromofluoromethane	116	%REC			77-126	SW8260B	09/11/06 15:12 / eli-b
Surr: p-Bromofluorobenzene	113	%REC			76-127	SW8260B	09/11/06 15:12 / eli-b
Surr: Toluene-d8	112	%REC			79-122	SW8260B	09/11/06 15:12 / eli-b
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4,5-Tetrachlorobenzene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
1,2-Dichlorobenzene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
1,3,5-Trinitrobenzene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
1,3-Dinitrobenzene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
1,4-Benzenediamine	ND	ug/L	P			SW8270C	09/12/06 01:38 / eli-b
1,4-Dichlorobenzene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
1,4-Naphthoquinone	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
1-Methylnaphthalene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
1-Naphthylamine	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: H06090044-003
Client Sample ID: BSB-GW-02

Report Date: 09/21/06
Collection Date: 09/05/06 13:30
DateReceived: 09/07/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
2,3,4,6-Tetrachlorophenol	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
2,4,5-Trichlorophenol	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
2,4,6-Trichlorophenol	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
2,4-Dichlorophenol	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
2,4-Dimethylphenol	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
2,4-Dinitrophenol	ND	ug/L		50		SW8270C	09/12/06 01:38 / eli-b
2,4-Dinitrotoluene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
2,6-Dichlorophenol	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
2,6-Dinitrotoluene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
2-Acetylaminofluorene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
2-Chloronaphthalene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
2-Chlorophenol	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
2-Methylnaphthalene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
2-Naphthylamine	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
2-Nitroaniline	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
2-Nitrophenol	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
2-Picoline	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
3,3´-Dichlorobenzidine	ND	ug/L		20		SW8270C	09/12/06 01:38 / eli-b
3,3´-Dimethylbenzidine	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
3-Methylcholanthrene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
3-Nitroaniline	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
4,6-Dinitro-2-methylphenol	ND	ug/L		50		SW8270C	09/12/06 01:38 / eli-b
4-Aminobiphenyl	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
4-Bromophenyl phenyl ether	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
4-Chloro-2-methylphenol	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
4-Chloro-3-methylphenol	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
4-Chlorophenol	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
4-Chlorophenyl phenyl ether	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
4-Nitroaniline	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
4-Nitrophenol	ND	ug/L		50		SW8270C	09/12/06 01:38 / eli-b
4-Nitroquinoline-n-oxide	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
5-Nitro-o-toluidine	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
7,12-Dimethylbenz(a)anthracene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
a,a-Dimethylphenethylamine	ND	ug/L	P			SW8270C	09/12/06 01:38 / eli-b
Acenaphthene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Acenaphthylene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Acetophenone	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Aniline	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Anthracene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Azobenzene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Benzidine	ND	ug/L		20		SW8270C	09/12/06 01:38 / eli-b
Benzo(a)anthracene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Bulla Sewer Line & Air Vacuum Test
Project: Oil Leak(s)
Lab ID: H0010906-001
Field Sample ID: SB-GW-12

Report Date: 07/01/08
Collection Date: 06/30/08 15:30
Date Received: 06/30/08
Matrix: AQUEOUS

Analyte	Result	Units	Qualifiers	RL	MCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
2,3,4,6-Tetrachlorophenol	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
2,4,5-Trichlorophenol	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
2,4,6-Trichlorophenol	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
2,4-Dichlorophenol	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
2,4-Dimethylphenol	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
2,4-Dinitrophenol	ND	ug/l		50		SW-8270C	06/30/08 01:34 / mb
2,4-Dinitrotoluene	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
2,6-Dinitrotoluene	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
2-Chloronaphthalene	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
2-Chlorophenol	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
2-Methylnaphthalene	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
2-Methylphenol	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
2-Nitroaniline	ND	ug/l		50		SW-8270C	06/30/08 01:34 / mb
2-Nitrophenol	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
3,3'-Dichlorobenzidine	ND	ug/l		20		SW-8270C	06/30/08 01:34 / mb
3,4-Methylphenol	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
3-Nitroaniline	ND	ug/l		50		SW-8270C	06/30/08 01:34 / mb
4,6-Dinitro-2-methylphenol	ND	ug/l		50		SW-8270C	06/30/08 01:34 / mb
4-Bromophenyl phenyl ether	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
4-Chloro-3-methylphenol	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
4-Chloroaniline	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
4-Chlorophenyl phenyl ether	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
4-Nitroaniline	ND	ug/l		50		SW-8270C	06/30/08 01:34 / mb
4-Nitrophenol	ND	ug/l		50		SW-8270C	06/30/08 01:34 / mb
Acenaphthene	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Acenaphthylene	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Aniline	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Anthracene	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Benzo(a)anthracene	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Benzo(a)pyrene	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Benzo(b)fluoranthene	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Benzo(g,h,i)perylene	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Benzo(k)fluoranthene	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Benzoic acid	ND	ug/l		50		SW-8270C	06/30/08 01:34 / mb
Benzyl alcohol	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Bis(2-chloroethoxy)methane	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Bis(2-chloroethyl)ether	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Bis(2-chloroisopropyl)ether	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Bis(2-ethylhexyl)phthalate	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Butylbenzylphthalate	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Carbazole	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Chrysene	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Dibenzo(a,h)anthracene	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Dibenzofuran	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Diethylphthalate	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Dimethylphthalate	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Di-n-butylphthalate	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Di-n-octylphthalate	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Fluoranthene	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Fluorene	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Hexachlorobenzene	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Hexachlorobutadiene	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Hexachlorocyclopentadiene	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Hexachloroethane	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Indeno(1,2,3-cd)pyrene	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Isophorone	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Naphthalene	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Nitrobenzene	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
N-Nitrosodimethylamine	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
N-Nitrosodiphenylamine	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
N-Nitrosodipropylamine	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Pentachlorophenol	ND	ug/l		50		SW-8270C	06/30/08 01:34 / mb
Phenanthrene	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Phenol	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb
Pyrene	ND	ug/l		10		SW-8270C	06/30/08 01:34 / mb

Report Qualifiers:
Data Qualifiers:

RL - Reporting limit
MCL - Maximum contaminant level
MDL - Min detectable or the reporting limit

Z - Type of method performance. Energy volatile one
Zone - no longer valid at low levels or analyte reported
predominately.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: H06090044-003
Client Sample ID: BSB-GW-02

Report Date: 09/21/06
Collection Date: 09/05/06 13:30
DateReceived: 09/07/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Benzo(a)pyrene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Benzo(b)fluoranthene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Benzo(g,h,i)perylene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Benzo(k)fluoranthene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Benzyl alcohol	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
bis(-2-chloroethoxy)Methane	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
bis(-2-chloroethyl)Ether	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
bis(2-chloroisopropyl)Ether	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
bis(2-ethylhexyl)Phthalate	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Butylbenzylphthalate	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Chlorobenzilate	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Chrysene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Dibenzo(a,h)anthracene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Dibenzofuran	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Diethyl phthalate	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Dimethoate	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Dimethyl phthalate	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Di-n-butyl phthalate	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Di-n-octyl phthalate	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Diphenylamine	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Disulfoton	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Ethyl methanesulfonate	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Famphur	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Fluoranthene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Fluorene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Hexachlorobenzene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Hexachlorobutadiene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Hexachlorocyclopentadiene	ND	ug/L		20		SW8270C	09/12/06 01:38 / eli-b
Hexachloroethane	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Hexachlorophene	ND	ug/L	P			SW8270C	09/12/06 01:38 / eli-b
Hexachloropropene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Indeno(1,2,3-cd)pyrene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Isophorone	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Isosafrole	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
m+p-Cresols	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Methapyrilene	ND	ug/L	P			SW8270C	09/12/06 01:38 / eli-b
Methyl methanesulfonate	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Methyl parathion	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Naphthalene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Nitrobenzene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
n-Nitrosodiethylamine	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
n-Nitrosodimethylamine	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: H06090044-003
Client Sample ID: BSB-GW-02

Report Date: 09/21/06
Collection Date: 09/05/06 13:30
DateReceived: 09/07/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
n-Nitroso-di-n-butylamine	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
n-Nitroso-di-n-propylamine	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
n-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
n-Nitrosomethylethylamine	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
n-Nitrosomorpholine	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
n-Nitrosopiperidine	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
n-Nitrosopyrrolidine	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
o,o,o-Triethyl phosphorothioate	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
o-Cresol	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
o-Toluidine	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
p-(dimethylamino)Azobenzene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Parathion	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
p-Chloroaniline	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Pentachlorobenzene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Pentachloronitrobenzene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Pentachlorophenol	ND	ug/L		50		SW8270C	09/12/06 01:38 / eli-b
Phenacetin	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Phenanthrene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Phenol	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Phorate	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Pronamide	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Pyrene	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Pyridine	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Safrole	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Sulfotep	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Thionazin	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Aramite	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Diallate	ND	ug/L		10		SW8270C	09/12/06 01:38 / eli-b
Surr: 2,4,6-Tribromophenol	76.0	%REC			10-123	SW8270C	09/12/06 01:38 / eli-b
Surr: 2-Fluorobiphenyl	85.0	%REC			43-116	SW8270C	09/12/06 01:38 / eli-b
Surr: 2-Fluorophenol	46.0	%REC			21-100	SW8270C	09/12/06 01:38 / eli-b
Surr: Nitrobenzene-d5	86.0	%REC			35-114	SW8270C	09/12/06 01:38 / eli-b
Surr: Phenol-d5	38.0	%REC			10-94	SW8270C	09/12/06 01:38 / eli-b
Surr: Terphenyl-d14	86.0	%REC			33-141	SW8270C	09/12/06 01:38 / eli-b
HERBICIDES, CHLORINATED							
2,4-D	ND	ug/L		1.0		SW8151A	09/19/06 15:50 / eli-b
Dinoseb	ND	ug/L		1.0		SW8151A	09/19/06 15:50 / eli-b
2,4,5-T	ND	ug/L		0.20		SW8151A	09/19/06 15:50 / eli-b
2,4,5-TP (Silvex)	ND	ug/L		0.20		SW8151A	09/19/06 15:50 / eli-b
Surr: DCAA	85.0	%REC			57-125	SW8151A	09/19/06 15:50 / eli-b

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Joint Drive Jeep Fields Wash-Oil
Project: Oil Canal
Lab ID: H0206D0475
Client Sample ID: 63-CW-02

Report Date: 06/27/02
Collection Date: 06/24/02 12:30
Date Received: 06/27/02
Matrix: Aqueous

Analyte	Status	Units	Dilution	RL	MCL DCL	Value	Analysis Date/Time
SEMI-VOLATILE ORGANIC COMPOUNDS							
[illegible]	ND	ug/l		10		SW8270C	06/27/02 01:34

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: H06090044-004
Client Sample ID: BSB-GW-05

BSB-A6-R

Report Date: 09/21/06
Collection Date: 09/05/06 14:15
DateReceived: 09/07/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	09/11/06 15:40 / eli-b
Acetonitrile	ND	ug/L		20		SW8260B	09/11/06 15:40 / eli-b
Acrolein	ND	ug/L		20		SW8260B	09/11/06 15:40 / eli-b
Acrylonitrile	ND	ug/L		20		SW8260B	09/11/06 15:40 / eli-b
Allyl chloride	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
Benzene	0.45	ug/L	J	1.0		SW8260B	09/11/06 15:40 / eli-b
Bromochloromethane	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
Bromodichloromethane	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
Bromoform	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
Bromomethane	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
Carbon disulfide	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
Chlorobenzene	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
Chloroethane	0.44	ug/L	J	1.0		SW8260B	09/11/06 15:40 / eli-b
Chloroform	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
Chloromethane	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
Chloroprene	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
Dibromomethane	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
1,4-Dichlorobenzene	0.69	ug/L	J	1.0		SW8260B	09/11/06 15:40 / eli-b
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
Dichlorodifluoromethane	1.8	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
1,1-Dichloroethane	1.8	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
cis-1,2-Dichloroethene	11	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
trans-1,2-Dichloroethene	0.18	ug/L	J	1.0		SW8260B	09/11/06 15:40 / eli-b
1,2-Dichloropropane	0.54	ug/L	J	1.0		SW8260B	09/11/06 15:40 / eli-b
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
Ethylbenzene	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
2-Hexanone	ND	ug/L		20		SW8260B	09/11/06 15:40 / eli-b
Iodomethane	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Blue River Valley Water Coop
Project: Q4 Lead 3B
Lab ID: 1906-00034-02
Client Sample ID: 828-GW-12

Report Date: 09/17/06
Collection Date: 09/06/06 12:15
Date Received: 09/07/06
Matrix: Aqueous

Analyte	Result	Units	Qualifiers	RL	MCL DCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	09/11/06 12:40 / smb
Acrylonitrile	ND	ug/L		20		SW8260B	09/11/06 12:40 / smb
Benzene	ND	ug/L		0.35		SW8260B	09/11/06 12:40 / smb
Bromobenzene	ND	ug/L		2.1		SW8260B	09/11/06 12:40 / smb
Bromochloromethane	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
Bromodichloromethane	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
Bromoform	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
Bromomethane	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
2-Butanone (MEK)	ND	ug/L		10		SW8260B	09/11/06 12:40 / smb
n-Butylbenzene	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
Carbon disulfide	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
Carbon tetrachloride	ND	ug/L		0.44		SW8260B	09/11/06 12:40 / smb
Chlorobenzene	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
Chloroethane	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
Chloroform	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
Chloromethane	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
Dibromochloromethane	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
1,2-Dibromoethane (EDB)	ND	ug/L		0.44		SW8260B	09/11/06 12:40 / smb
Dibromomethane	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
1,1-Dichloroethylene	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
cis-1,2-Dichloroethylene	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
trans-1,2-Dichloroethylene	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
Ethylbenzene	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
Ethyl ether (Anesthesia)	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb
2-Hexanone	ND	ug/L		10		SW8260B	09/11/06 12:40 / smb
Isopropylbenzene	ND	ug/L		1.0		SW8260B	09/11/06 12:40 / smb

Report: RL - Reporting limit (PQL)
Definitions: DCL - Drinking contaminant level
J - Estimated value. The analyte was positively identified but the reporting limit (PQL) is estimated.

MCL - Maximum contaminant level
ND - Not detected at the reporting limit

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: H06090044-004
Client Sample ID: BSB-GW-05

Report Date: 09/21/06
Collection Date: 09/05/06 14:15
DateReceived: 09/07/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Isobutanol	ND	ug/L		50		SW8260B	09/11/06 15:40 / eli-b
Methacrylonitrile	ND	ug/L		20		SW8260B	09/11/06 15:40 / eli-b
Methyl ethyl ketone	ND	ug/L		20		SW8260B	09/11/06 15:40 / eli-b
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	09/11/06 15:40 / eli-b
Methyl methacrylate	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
Methylene chloride	0.29	ug/L	J	1.0		SW8260B	09/11/06 15:40 / eli-b
Naphthalene	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
Pentachloroethane	ND	ug/L		2.0		SW8260B	09/11/06 15:40 / eli-b
Propionitrile	ND	ug/L		20		SW8260B	09/11/06 15:40 / eli-b
Styrene	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
Tetrachloroethene	0.38	ug/L	J	1.0		SW8260B	09/11/06 15:40 / eli-b
Toluene	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
Trichloroethene	0.80	ug/L	J	1.0		SW8260B	09/11/06 15:40 / eli-b
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
Vinyl acetate	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
Vinyl chloride	5.3	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
m+p-Xylenes	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
o-Xylene	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
Xylenes, Total	ND	ug/L		1.0		SW8260B	09/11/06 15:40 / eli-b
Surr: 1,2-Dichloroethane-d4	113	%REC			70-130	SW8260B	09/11/06 15:40 / eli-b
Surr: Dibromofluoromethane	115	%REC			77-126	SW8260B	09/11/06 15:40 / eli-b
Surr: p-Bromofluorobenzene	111	%REC			76-127	SW8260B	09/11/06 15:40 / eli-b
Surr: Toluene-d8	112	%REC			79-122	SW8260B	09/11/06 15:40 / eli-b
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4,5-Tetrachlorobenzene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
1,2-Dichlorobenzene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
1,3,5-Trinitrobenzene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
1,3-Dinitrobenzene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
1,4-Benzenediamine	ND	ug/L	P			SW8270C	09/12/06 02:10 / eli-b
1,4-Dichlorobenzene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
1,4-Naphthoquinone	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
1-Methylnaphthalene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
1-Naphthylamine	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: H06090044-004
Client Sample ID: BSB-GW-05

Report Date: 09/21/06
Collection Date: 09/05/06 14:15
DateReceived: 09/07/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
2,3,4,6-Tetrachlorophenol	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
2,4,5-Trichlorophenol	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
2,4,6-Trichlorophenol	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
2,4-Dichlorophenol	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
2,4-Dimethylphenol	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
2,4-Dinitrophenol	ND	ug/L		50		SW8270C	09/12/06 02:10 / eli-b
2,4-Dinitrotoluene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
2,6-Dichlorophenol	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
2,6-Dinitrotoluene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
2-Acetylaminofluorene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
2-Chloronaphthalene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
2-Chlorophenol	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
2-Methylnaphthalene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
2-Naphthylamine	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
2-Nitroaniline	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
2-Nitrophenol	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
2-Picoline	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
3,3´-Dichlorobenzidine	ND	ug/L		20		SW8270C	09/12/06 02:10 / eli-b
3,3´-Dimethylbenzidine	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
3-Methylcholanthrene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
3-Nitroaniline	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
4,6-Dinitro-2-methylphenol	ND	ug/L		50		SW8270C	09/12/06 02:10 / eli-b
4-Aminobiphenyl	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
4-Bromophenyl phenyl ether	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
4-Chloro-2-methylphenol	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
4-Chloro-3-methylphenol	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
4-Chlorophenol	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
4-Chlorophenyl phenyl ether	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
4-Nitroaniline	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
4-Nitrophenol	ND	ug/L		50		SW8270C	09/12/06 02:10 / eli-b
4-Nitroquinoline-n-oxide	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
5-Nitro-o-toluidine	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
7,12-Dimethylbenz(a)anthracene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
a,a-Dimethylphenethylamine	ND	ug/L	P			SW8270C	09/12/06 02:10 / eli-b
Acenaphthene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Acenaphthylene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Acetophenone	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Aniline	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Anthracene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Azobenzene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Benzidine	ND	ug/L		20		SW8270C	09/12/06 02:10 / eli-b
Benzo(a)anthracene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b

Report Definitions:
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MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: H06090044-004
Client Sample ID: BSB-GW-05

Report Date: 09/21/06
Collection Date: 09/05/06 14:15
DateReceived: 09/07/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Benzo(a)pyrene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Benzo(b)fluoranthene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Benzo(g,h,i)perylene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Benzo(k)fluoranthene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Benzyl alcohol	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
bis(-2-chloroethoxy)Methane	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
bis(-2-chloroethyl)Ether	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
bis(2-chloroisopropyl)Ether	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
bis(2-ethylhexyl)Phthalate	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Butylbenzylphthalate	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Chlorobenzilate	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Chrysene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Dibenzo(a,h)anthracene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Dibenzofuran	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Diethyl phthalate	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Dimethoate	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Dimethyl phthalate	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Di-n-butyl phthalate	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Di-n-octyl phthalate	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Diphenylamine	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Disulfoton	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Ethyl methanesulfonate	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Famphur	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Fluoranthene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Fluorene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Hexachlorobenzene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Hexachlorobutadiene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Hexachlorocyclopentadiene	ND	ug/L		20		SW8270C	09/12/06 02:10 / eli-b
Hexachloroethane	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Hexachlorophene	ND	ug/L	P			SW8270C	09/12/06 02:10 / eli-b
Hexachloropropene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Indeno(1,2,3-cd)pyrene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Isophorone	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Isosafrole	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
m+p-Cresols	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Methapyrilene	ND	ug/L	P			SW8270C	09/12/06 02:10 / eli-b
Methyl methanesulfonate	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Methyl parathion	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Naphthalene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Nitrobenzene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
n-Nitrosodiethylamine	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
n-Nitrosodimethylamine	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b

Report Definitions:
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QCL - Quality control limit.
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MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: [illegible]
Project: [illegible]
Lab ID: [illegible]
Client Sample ID: [illegible]

Report Date: [illegible]
Collection Date: [illegible]
Date Received: [illegible]
Matrix: [illegible]

Analyses	Result	Units	Qualifiers	RL	MDL DCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]
[illegible]	ND	ug/L		10		SW8270C	[illegible]

[illegible]
[illegible]

[illegible]
[illegible]

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: H06090044-004
Client Sample ID: BSB-GW-05

Report Date: 09/21/06
Collection Date: 09/05/06 14:15
DateReceived: 09/07/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
n-Nitroso-di-n-butylamine	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
n-Nitroso-di-n-propylamine	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
n-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
n-Nitrosomethylethylamine	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
n-Nitrosomorpholine	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
n-Nitrosopiperidine	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
n-Nitrosopyrrolidine	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
o,o,o-Triethyl phosphorothioate	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
o-Cresol	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
o-Toluidine	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
p-(dimethylamino)Azobenzene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Parathion	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
p-Chloroaniline	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Pentachlorobenzene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Pentachloronitrobenzene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Pentachlorophenol	ND	ug/L		50		SW8270C	09/12/06 02:10 / eli-b
Phenacetin	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Phenanthrene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Phenol	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Phorate	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Pronamide	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Pyrene	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Pyridine	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Safrole	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Sulfotep	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Thionazin	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Aramite	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Diallate	ND	ug/L		10		SW8270C	09/12/06 02:10 / eli-b
Surr: 2,4,6-Tribromophenol	64.0	%REC			10-123	SW8270C	09/12/06 02:10 / eli-b
Surr: 2-Fluorobiphenyl	63.0	%REC			43-116	SW8270C	09/12/06 02:10 / eli-b
Surr: 2-Fluorophenol	36.0	%REC			21-100	SW8270C	09/12/06 02:10 / eli-b
Surr: Nitrobenzene-d5	74.0	%REC			35-114	SW8270C	09/12/06 02:10 / eli-b
Surr: Phenol-d5	31.0	%REC			10-94	SW8270C	09/12/06 02:10 / eli-b
Surr: Terphenyl-d14	65.0	%REC			33-141	SW8270C	09/12/06 02:10 / eli-b
HERBICIDES, CHLORINATED							
2,4-D	ND	ug/L		1.0		SW8151A	09/19/06 17:29 / eli-b
Dinoseb	ND	ug/L		1.0		SW8151A	09/19/06 17:29 / eli-b
2,4,5-T	ND	ug/L		0.20		SW8151A	09/19/06 17:29 / eli-b
2,4,5-TP (Silvex)	ND	ug/L		0.20		SW8151A	09/19/06 17:29 / eli-b
Surr: DCAA	83.0	%REC			57-125	SW8151A	09/19/06 17:29 / eli-b

Report Definitions:
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ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 09/21/06
Work Order: H06090044

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8151A									Batch: B_23044
Sample ID: MB-23044	Method Blank				Run: SUB-B82223				09/18/06 20:53
2,4-D	ND	ug/L	1.0						
Dinoseb	ND	ug/L	1.0						
2,4,5-T	ND	ug/L	0.20						
2,4,5-TP (Silvex)	ND	ug/L	0.20						
Surr: DCAA			0.10	73	57	125			
Sample ID: LCS-23044	Laboratory Control Sample				Run: SUB-B82223				09/18/06 21:22
2,4-D	4.26	ug/L	1.0	85	58	136			
Dinoseb	3.99	ug/L	1.0	80	13	146			
2,4,5-T	3.88	ug/L	0.20	78	68	152			
2,4,5-TP (Silvex)	4.88	ug/L	0.20	98	66	153			
Surr: DCAA			0.10	83	57	125			
Sample ID: H06090044-003B	Sample Matrix Spike				Run: SUB-B82224				09/19/06 16:20
2,4-D	4.18	ug/L	1.0	84	50	140			
Dinoseb	3.70	ug/L	1.0	74	10	150			
2,4,5-T	4.11	ug/L	0.20	82	60	160			
2,4,5-TP (Silvex)	5.36	ug/L	0.20	107	60	155			
Surr: DCAA			0.10	94	57	125			
Sample ID: H06090044-003B	Sample Matrix Spike Duplicate				Run: SUB-B82224				09/19/06 16:59
2,4-D	3.81	ug/L	1.0	76	50	140	9.3	40	
Dinoseb	3.28	ug/L	1.0	66	10	150	12	40	
2,4,5-T	3.85	ug/L	0.20	77	60	160	6.5	40	
2,4,5-TP (Silvex)	4.92	ug/L	0.20	98	60	155	8.6	40	
Surr: DCAA			0.10	84	57	125			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 09/21/06
Work Order: H06090044

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: B_R81852
Sample ID: lcs091106	Laboratory Control Sample				Run: SUB-B81852				09/11/06 12:48
Acetonitrile	47.2	ug/L	20	94	54	142			
Ethyl methacrylate	4.48	ug/L	1.0	90	54	133			
Methacrylonitrile	48.4	ug/L	20	97	68	122			
Methyl methacrylate	4.44	ug/L	1.0	89	77	113			
Propionitrile	48.0	ug/L	20	96	52	143			
trans-1,4-Dichloro-2-butene	4.40	ug/L	1.0	88	50	142			
Acetone	42.8	ug/L	20	86	62	130			
Acrolein	62.0	ug/L	20	124	22	203			
Acrylonitrile	48.0	ug/L	20	96	60	130			
Benzene	4.80	ug/L	1.0	96	71	133			
Bromochloromethane	4.52	ug/L	1.0	90	68	131			
Bromodichloromethane	4.44	ug/L	1.0	89	67	138			
Bromoform	4.44	ug/L	1.0	89	64	136			
Bromomethane	5.04	ug/L	1.0	101	60	138			
Carbon disulfide	4.04	ug/L	1.0	81	46	145			
Carbon tetrachloride	4.76	ug/L	1.0	95	61	144			
Chlorobenzene	4.88	ug/L	1.0	98	78	136			
Chlorodibromomethane	4.60	ug/L	1.0	92	72	136			
Chloroethane	4.88	ug/L	1.0	98	64	136			
Chloroform	4.76	ug/L	1.0	95	69	133			
Chloromethane	5.12	ug/L	1.0	102	63	149			
1,2-Dibromo-3-chloropropane	4.40	ug/L	1.0	88	63	125			
1,2-Dibromoethane	4.68	ug/L	1.0	94	75	131			
Dibromomethane	4.60	ug/L	1.0	92	72	133			
1,2-Dichlorobenzene	4.84	ug/L	1.0	97	78	129			
1,3-Dichlorobenzene	4.84	ug/L	1.0	97	79	132			
1,4-Dichlorobenzene	4.76	ug/L	1.0	95	78	131			
Dichlorodifluoromethane	4.76	ug/L	1.0	95	55	141			
1,1-Dichloroethane	4.84	ug/L	1.0	97	72	130			
1,2-Dichloroethane	4.80	ug/L	1.0	96	57	146			
1,1-Dichloroethene	4.64	ug/L	1.0	93	66	142			
cis-1,2-Dichloroethene	4.68	ug/L	1.0	94	74	133			
trans-1,2-Dichloroethene	4.76	ug/L	1.0	95	76	138			
1,2-Dichloropropane	4.80	ug/L	1.0	96	72	135			
1,3-Dichloropropane	4.68	ug/L	1.0	94	75	134			
2,2-Dichloropropane	5.20	ug/L	1.0	104	42	167			
1,1-Dichloropropene	5.00	ug/L	1.0	100	72	140			
cis-1,3-Dichloropropene	4.92	ug/L	1.0	98	75	132			
trans-1,3-Dichloropropene	5.36	ug/L	1.0	107	77	145			
Ethylbenzene	4.72	ug/L	1.0	94	78	131			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 09/21/06
Work Order: H06090044

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: B_R81852
Sample ID: lcs091106	Laboratory Control Sample				Run: SUB-B81852				09/11/06 12:48
Hexachlorobutadiene	4.40	ug/L	1.0	88	65	141			
2-Hexanone	48.0	ug/L	20	96	72	131			
Iodomethane	5.04	ug/L	1.0	101	66	132			
Methyl ethyl ketone	48.4	ug/L	20	97	55	145			
Methyl isobutyl ketone	48.8	ug/L	20	98	73	129			
Methylene chloride	4.68	ug/L	1.0	94	73	126			
Naphthalene	4.36	ug/L	1.0	87	55	139			
Styrene	4.76	ug/L	1.0	95	76	134			
1,1,1,2-Tetrachloroethane	4.64	ug/L	1.0	93	75	135			
1,1,2,2-Tetrachloroethane	4.72	ug/L	1.0	94	72	132			
Tetrachloroethene	4.76	ug/L	1.0	95	78	137			
Toluene	4.72	ug/L	1.0	94	78	134			
1,2,4-Trichlorobenzene	4.52	ug/L	1.0	90	58	142			
1,1,1-Trichloroethane	4.80	ug/L	1.0	96	64	141			
1,1,2-Trichloroethane	4.64	ug/L	1.0	93	72	133			
Trichloroethene	4.72	ug/L	1.0	94	75	138			
Trichlorofluoromethane	4.64	ug/L	1.0	93	58	139			
1,2,3-Trichloropropane	4.12	ug/L	1.0	82	67	133			
Vinyl acetate	3.96	ug/L	1.0	79	31	124			
Vinyl chloride	4.48	ug/L	1.0	90	66	140			
m+p-Xylenes	9.80	ug/L	1.0	98	78	133			
o-Xylene	4.88	ug/L	1.0	98	79	136			
Surr: 1,2-Dichloroethane-d4			1.0	115	70	130			
Surr: Dibromofluoromethane			1.0	114	77	126			
Surr: p-Bromofluorobenzene			1.0	112	76	127			
Surr: Toluene-d8			1.0	113	79	122			
Sample ID: lcsa091106	Laboratory Control Sample				Run: SUB-B81852				09/11/06 13:17
Allyl chloride	5.96	ug/L	1.0	119	68	126			
Chloroprene	5.76	ug/L	1.0	115	68	120			
Isobutanol	101	ug/L	50	81	71	137			
Pentachloroethane	4.76	ug/L	1.0	95	42	135			
Surr: 1,2-Dichloroethane-d4			1.0	112	70	130			
Surr: Dibromofluoromethane			1.0	113	77	126			
Surr: p-Bromofluorobenzene			1.0	113	76	127			
Surr: Toluene-d8			1.0	111	79	122			
Sample ID: mblk091106	Method Blank				Run: SUB-B81852				09/11/06 13:45
Acetonitrile	ND	ug/L	20						
Allyl chloride	ND	ug/L	1.0						
Chloroprene	ND	ug/L	1.0						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 09/21/06
Work Order: H06090044

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: B_R81852
Sample ID: mblk091106	Method Blank				Run: SUB-B81852				09/11/06 13:45
Ethyl methacrylate	ND	ug/L	1.0						
Isobutanol	ND	ug/L	50						
Methacrylonitrile	ND	ug/L	20						
Methyl methacrylate	ND	ug/L	1.0						
Pentachloroethane	ND	ug/L	1.0						
Propionitrile	ND	ug/L	20						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0						
Acetone	ND	ug/L	20						
Acrolein	ND	ug/L	20						
Acrylonitrile	ND	ug/L	20						
Benzene	ND	ug/L	1.0						
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
Carbon disulfide	ND	ug/L	1.0						
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
1,2-Dibromoethane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						
1,2-Dichlorobenzene	ND	ug/L	1.0						
1,3-Dichlorobenzene	ND	ug/L	1.0						
1,4-Dichlorobenzene	ND	ug/L	1.0						
Dichlorodifluoromethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						
1,2-Dichloroethane	ND	ug/L	1.0						
1,1-Dichloroethene	ND	ug/L	1.0						
cis-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						
1,2-Dichloropropane	ND	ug/L	1.0						
1,3-Dichloropropane	ND	ug/L	1.0						
2,2-Dichloropropane	ND	ug/L	1.0						
1,1-Dichloropropene	ND	ug/L	1.0						
cis-1,3-Dichloropropene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 09/21/06
Work Order: H06090044

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: B_R81852
Sample ID: mblk091106	Method Blank				Run: SUB-B81852				09/11/06 13:45
Ethylbenzene	ND	ug/L	1.0						
Hexachlorobutadiene	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						
Iodomethane	ND	ug/L	1.0						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methylene chloride	ND	ug/L	1.0						
Naphthalene	ND	ug/L	1.0						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,2,4-Trichlorobenzene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Xylenes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	112	70	130			
Surr: Dibromofluoromethane			1.0	114	77	126			
Surr: p-Bromofluorobenzene			1.0	111	76	127			
Surr: Toluene-d8			1.0	112	79	122			
Sample ID: H06090044-004C	Sample Matrix Spike				Run: SUB-B81852				09/11/06 17:05
Allyl chloride	6.32	ug/L	1.0	126	68	126			
Chloroprene	5.00	ug/L	1.0	100	68	120			
Ethyl methacrylate	5.00	ug/L	1.0	100	54	133			
Methacrylonitrile	53.6	ug/L	20	107	68	122			
Methyl methacrylate	4.96	ug/L	1.0	99	77	113			
Propionitrile	49.6	ug/L	20	99	52	143			
trans-1,4-Dichloro-2-butene	5.12	ug/L	1.0	102	50	142			
Acetone	46.4	ug/L	20	93	62	130			
Acrolein	95.2	ug/L	20	190	22	203			
Acrylonitrile	62.4	ug/L	20	125	60	130			
Benzene	5.72	ug/L	1.0	105	71	133			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Bows Silver Box R/S W-Ion Stud
Project: Old Lakota

Report Date: 09/27/09
Job Order: 0709009A

Analyte	Result	Units	Rl	Spike Level	Spike Recovery	RPD	RPD Limit	Date
Method: SW1010B								Batch R_24733
Sample ID: mbsw1010			Method Blank				Run: ZUB-09/18/09	09/17/09 12:42
2H-Benzo[b]	ND	ug/L	1.0					
2H-Benzo[b]	ND	ug/L	1.0					
2-Methylnaphthalene	ND	ug/L	1.0					
Naphthalene	ND	ug/L	2.0					
Acenaphthylene	ND	ug/L	1.0					
Acenaphthene	ND	ug/L	1.0					
Fluorene	ND	ug/L	1.0					
Phenanthrene	ND	ug/L	2.0					
Anthracene	ND	ug/L	2.0					
Fluoranthene	ND	ug/L	1.0					
Pyrene	ND	ug/L	1.0					
Benzo[a]anthracene	ND	ug/L	1.0					
Chrysene	ND	ug/L	1.0					
Benzo[b]fluoranthene	ND	ug/L	1.0					
Benzo[k]fluoranthene	ND	ug/L	1.0					
Benzo[a]pyrene	ND	ug/L	1.0					
Indeno[1,2,3-cd]pyrene	ND	ug/L	1.0					
Dibenz[a,h]anthracene	ND	ug/L	1.0					
Benzo[g,h,i]perylene	ND	ug/L	1.0					
Naphthalene-d8	ND	ug/L	1.0					
2-Methylnaphthalene-d10	ND	ug/L	1.0					
Acenaphthene-d10	ND	ug/L	1.0					
Phenanthrene-d10	ND	ug/L	1.0					
Chrysene-d12	ND	ug/L	1.0					
Perylene-d12	ND	ug/L	1.0					
Sample ID: ZUB-09/18/09-LCS			Sample Blank Spike				Run: ZUB-09/18/09	09/17/09 12:42
Naphthalene	8.32	ug/L	1.0	12.5	66		139	
2-Methylnaphthalene	8.06	ug/L	1.0	12.5	65		139	
Acenaphthylene	8.50	ug/L	1.0	12.5	68		139	
Acenaphthene	10.8	ug/L	2.0	12.5	87		139	
Fluorene	8.05	ug/L	1.0	12.5	64		139	
Phenanthrene	8.70	ug/L	2.0	12.5	70		139	
Anthracene	8.75	ug/L	2.0	12.5	70		139	
Fluoranthene	8.75	ug/L	1.0	12.5	70		139	
Pyrene	8.75	ug/L	1.0	12.5	70		139	
Benzo[a]anthracene	8.75	ug/L	1.0	12.5	70		139	
Chrysene	8.75	ug/L	1.0	12.5	70		139	
Benzo[b]fluoranthene	8.75	ug/L	1.0	12.5	70		139	
Benzo[k]fluoranthene	8.75	ug/L	1.0	12.5	70		139	
Benzo[a]pyrene	8.75	ug/L	1.0	12.5	70		139	
Indeno[1,2,3-cd]pyrene	8.75	ug/L	1.0	12.5	70		139	
Dibenz[a,h]anthracene	8.75	ug/L	1.0	12.5	70		139	
Benzo[g,h,i]perylene	8.75	ug/L	1.0	12.5	70		139	
Naphthalene-d8	8.75	ug/L	1.0	12.5	70		139	
2-Methylnaphthalene-d10	8.75	ug/L	1.0	12.5	70		139	
Acenaphthene-d10	8.75	ug/L	1.0	12.5	70		139	
Phenanthrene-d10	8.75	ug/L	1.0	12.5	70		139	
Chrysene-d12	8.75	ug/L	1.0	12.5	70		139	
Perylene-d12	8.75	ug/L	1.0	12.5	70		139	

Qualifiers:
RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 09/21/06
Work Order: H06090044

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: B_R81852
Sample ID: H06090044-004C	Sample Matrix Spike				Run: SUB-B81852				09/11/06 17:05
Bromochloromethane	4.92	ug/L	1.0	98	68	131			
Bromodichloromethane	4.84	ug/L	1.0	97	67	138			
Bromoform	4.80	ug/L	1.0	96	64	136			
Bromomethane	5.40	ug/L	1.0	108	60	138			
Carbon disulfide	4.24	ug/L	1.0	85	46	145			
Carbon tetrachloride	5.12	ug/L	1.0	102	61	144			
Chlorobenzene	5.36	ug/L	1.0	107	78	136			
Chlorodibromomethane	4.96	ug/L	1.0	99	72	136			
Chloroethane	5.84	ug/L	1.0	108	64	136			
Chloroform	5.16	ug/L	1.0	103	69	133			
Chloromethane	5.72	ug/L	1.0	114	63	149			
1,2-Dibromo-3-chloropropane	5.44	ug/L	1.0	109	63	125			
1,2-Dibromoethane	5.28	ug/L	1.0	106	75	131			
Dibromomethane	5.12	ug/L	1.0	102	72	133			
1,2-Dichlorobenzene	5.36	ug/L	1.0	107	78	129			
1,3-Dichlorobenzene	5.28	ug/L	1.0	106	79	132			
1,4-Dichlorobenzene	6.00	ug/L	1.0	106	78	131			
Dichlorodifluoromethane	7.28	ug/L	1.0	109	55	141			
1,1-Dichloroethane	7.20	ug/L	1.0	108	72	130			
1,2-Dichloroethane	5.36	ug/L	1.0	107	57	146			
1,1-Dichloroethene	5.04	ug/L	1.0	101	66	142			
cis-1,2-Dichloroethene	17.8	ug/L	1.0	127	74	133			
trans-1,2-Dichloroethene	5.44	ug/L	1.0	105	76	138			
1,2-Dichloropropane	5.88	ug/L	1.0	107	72	135			
1,3-Dichloropropane	5.20	ug/L	1.0	104	75	134			
2,2-Dichloropropane	5.76	ug/L	1.0	115	42	167			
1,1-Dichloropropene	5.32	ug/L	1.0	106	72	140			
cis-1,3-Dichloropropene	5.40	ug/L	1.0	108	75	132			
trans-1,3-Dichloropropene	5.88	ug/L	1.0	118	77	145			
Ethylbenzene	5.24	ug/L	1.0	105	78	131			
Hexachlorobutadiene	4.76	ug/L	1.0	95	65	141			
2-Hexanone	49.6	ug/L	20	99	72	131			
Iodomethane	5.64	ug/L	1.0	113	66	132			
Methyl ethyl ketone	49.2	ug/L	20	98	55	145			
Methyl isobutyl ketone	50.4	ug/L	20	101	73	129			
Methylene chloride	5.28	ug/L	1.0	100	73	126			
Naphthalene	5.16	ug/L	1.0	103	55	139			
Styrene	4.96	ug/L	1.0	99	76	134			
1,1,1,2-Tetrachloroethane	5.16	ug/L	1.0	103	75	135			
1,1,2,2-Tetrachloroethane	5.32	ug/L	1.0	106	72	132			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Solid Waste Dev. Facility Needs Eval.
Project: 1201 Landfill

Report Date: 05/13/01
Work Order: 1K0230204

Analyte	Result	Units	RL	Spiked Low Limit	Spiked High Limit	A-C Recovery	Date
Method: SW8260B							Batch: B_0K1812
Sample ID: 1K0230204-VOC		Sample Matrix: Soils			Run: GUS-B_010512		05/12/01 12:00
Bromobenzene	4.65	ug/L	1.0	56	65	131	
Bromodichloromethane	4.94	ug/L	1.0	47	61	126	
Bromoform	4.50	ug/L	1.0	50	64	126	
Bromomethane	5.40	ug/L	1.0	102	65	136	
Carbon disulfide	4.74	ug/L	1.0	45	44	140	
Carbon tetrachloride	5.12	ug/L	1.0	102	67	144	
Chlorobenzene	5.30	ug/L	1.0	102	74	136	
Chlorodibromomethane	4.46	ug/L	1.0	98	72	130	
Chloroethane	5.84	ug/L	1.0	104	64	132	
Chloroform	5.13	ug/L	1.0	103	64	134	
Chloromethane	5.12	ug/L	1.0	104	61	140	
1,2-Dibromo-3-chloropropane	5.44	ug/L	1.0	106	66	129	
1,2-Dibromoethane	5.26	ug/L	1.0	100	76	121	
Dibromomethane	5.15	ug/L	1.0	102	72	131	
1,2-Dichlorobenzene	5.30	ug/L	1.0	107	75	129	
1,3-Dichlorobenzene	5.28	ug/L	1.0	106	70	132	
1,4-Dichlorobenzene	5.00	ug/L	1.0	104	75	130	
Dichlorodifluoromethane	7.38	ug/L	1.0	105	56	141	
1,1-Dichloroethane	5.00	ug/L	1.0	103	72	130	
1,2-Dichloroethane	5.38	ug/L	1.0	107	57	136	
1,1-Dichloroethene	5.04	ug/L	1.0	101	66	142	
cis-1,2-Dichloroethene	5.18	ug/L	1.0	107	74	135	
trans-1,2-Dichloroethene	5.44	ug/L	1.0	105	76	138	
1,2-Dichloropropane	5.62	ug/L	1.0	101	72	139	
1,3-Dichloropropane	5.30	ug/L	1.0	104	72	134	
2,2-Dichloropropane	5.78	ug/L	1.0	115	42	167	
1,1-Dichloropropene	5.22	ug/L	1.0	105	72	143	
cis-1,3-Dichloropropene	5.40	ug/L	1.0	106	72	132	
trans-1,3-Dichloropropene	5.66	ug/L	1.0	116	72	142	
Ethylbenzene	5.24	ug/L	1.0	104	76	138	
Hexachlorobutadiene	4.78	ug/L	1.0	94	62	147	
Isopropylbenzene	4.83	ug/L	.50	99	72	139	
Methylene chloride	5.04	ug/L	1.0	113	66	134	
Naphthalene	4.52	ug/L	.25	90	38	144	
n-Propylbenzene	5.14	ug/L	.50	101	72	138	
Styrene	5.24	ug/L	1.0	104	72	138	
Tetrachloroethene	5.18	ug/L	1.0	103	65	139	
Toluene	5.10	ug/L	1.0	99	76	139	
1,1,1,2-Tetrachloroethane	5.16	ug/L	1.0	102	76	132	
1,1,2,2-Tetrachloroethane	5.32	ug/L	1.0	106	75	137	

Qualifiers:
RL - Analyte reporting limit.

RD - Not calculated at this reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 09/21/06
Work Order: H06090044

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: B_R81852
Sample ID: H06090044-004C	Sample Matrix Spike				Run: SUB-B81852				09/11/06 17:05
Tetrachloroethene	5.64	ug/L	1.0	105	78	137			
Toluene	5.32	ug/L	1.0	106	78	134			
1,2,4-Trichlorobenzene	5.04	ug/L	1.0	101	58	142			
1,1,1-Trichloroethane	5.16	ug/L	1.0	103	64	141			
1,1,2-Trichloroethane	5.08	ug/L	1.0	102	72	133			
Trichloroethene	5.96	ug/L	1.0	103	75	138			
Trichlorofluoromethane	5.20	ug/L	1.0	104	58	139			
1,2,3-Trichloropropane	4.72	ug/L	1.0	94	67	133			
Vinyl acetate	4.44	ug/L	1.0	89	31	124			
Vinyl chloride	11.0	ug/L	1.0	115	66	140			
m+p-Xylenes	10.6	ug/L	1.0	106	78	133			
o-Xylene	5.40	ug/L	1.0	108	79	136			
Surr: 1,2-Dichloroethane-d4			1.0	116	70	130			
Surr: Dibromofluoromethane			1.0	114	77	126			
Surr: p-Bromofluorobenzene			1.0	111	76	127			
Surr: Toluene-d8			1.0	114	79	122			
Sample ID: H06090044-004C	Sample Matrix Spike Duplicate				Run: SUB-B81852				09/11/06 17:34
Allyl chloride	6.28	ug/L	1.0	126	68	126	0.6	20	
Chloroprene	5.28	ug/L	1.0	106	68	120	5.4	20	
Ethyl methacrylate	4.96	ug/L	1.0	99	54	133	0.8	20	
Methacrylonitrile	53.6	ug/L	20	107	68	122	0.0	20	
Methyl methacrylate	5.04	ug/L	1.0	101	77	113	1.6	20	
Propionitrile	53.2	ug/L	20	106	52	143	7.0	20	
trans-1,4-Dichloro-2-butene	6.16	ug/L	1.0	123	50	142	18	20	
Acetone	47.6	ug/L	20	95	62	130	2.6	20	
Acrolein	94.4	ug/L	20	189	22	203	0.8	20	
Acrylonitrile	58.4	ug/L	20	117	60	130	6.6	20	
Benzene	5.48	ug/L	1.0	101	71	133	4.3	20	
Bromochloromethane	4.84	ug/L	1.0	97	68	131	1.6	20	
Bromodichloromethane	4.64	ug/L	1.0	93	67	138	4.2	20	
Bromoform	4.64	ug/L	1.0	93	64	136	3.4	20	
Bromomethane	5.36	ug/L	1.0	107	60	138	0.7	20	
Carbon disulfide	3.94	ug/L	1.0	79	46	145	7.3	20	
Carbon tetrachloride	4.60	ug/L	1.0	92	61	144	11	20	
Chlorobenzene	5.04	ug/L	1.0	101	78	136	6.2	20	
Chlorodibromomethane	4.84	ug/L	1.0	97	72	136	2.4	20	
Chloroethane	5.52	ug/L	1.0	102	64	136	5.6	20	
Chloroform	4.88	ug/L	1.0	98	69	133	5.6	20	
Chloromethane	5.60	ug/L	1.0	112	63	149	2.1	20	
1,2-Dibromo-3-chloropropane	5.80	ug/L	1.0	116	63	125	6.4	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

GA/GC Summary Report

Client: Bluffs Brewer Soft Drinks Water Test

Project: Old Lagoon

Report Date: 06/12/06

Work Order: 1005C0144

Analyte	Result	Units	RL	MDEC Low Limit	High Limit	Acc	RPD/Dev.	Date
Method: 8260B								Batch: B_MS1225
Sample ID: 1005B0304-004C					Run: 5973-060602			06/06/06 17:06
Tetrachloroethene	0.94	ug/L	1.0	105	75	125		
Toluene	0.91	ug/L	1.0	105	76	124		
1,2,4-Trichlorobenzene	0.84	ug/L	1.0	101	37	142		
1,1,1-Trichloroethane	0.88	ug/L	1.0	100	69	141		
1,1,2-Trichloroethane	0.95	ug/L	1.0	106	72	128		
Trichloroethene	0.94	ug/L	1.0	105	75	125		
Trichlorofluoromethane	0.90	ug/L	1.0	104	58	155		
1,2,3-Trichlorobenzene	0.80	ug/L	1.0	94	67	124		
Vinyl chloride	0.84	ug/L	1.0	99	71	124		
Xylene (total)	1.10	ug/L	1.0	115	80	120		
m+p-Xylene	1.00	ug/L	1.0	108	78	124		
o-Xylene	0.90	ug/L	1.0	104	78	124		
Surr: 1,2-Dichloroethane-d4			1.0	111	70	130		
Surr: Dibromofluoromethane			1.0	104	77	128		
Surr: p-Bromofluorobenzene			1.0	111	78	127		
Surr: Toluene-d8			1.0	114	77	124		
Sample ID: 1005C0144-01C					Run: 5973-060612			06/12/06 17:24
Acetone	4.25	ug/L	4.0	106	39	136	0.0	20
Benzene	3.79	ug/L	1.0	95	76	130	0.4	20
Carbon tetrachloride	4.08	ug/L	1.0	102	64	130	0.8	20
Bromodichloromethane	3.94	ug/L	1.0	100	70	135	0.0	20
Bromoform	3.94	ug/L	1.0	99	71	141	1.0	20
Bromomethane	4.27	ug/L	1.0	107	39	139	1.6	20
2-Butanone	4.04	ug/L	4.0	101	48	131	1.0	20
n-Butylbenzene	4.04	ug/L	1.0	101	62	138	4.2	20
Sec-Butylbenzene	4.04	ug/L	1.0	101	64	136	2.4	20
Tert-Butylbenzene	4.04	ug/L	1.0	101	64	136	2.4	20
Carbon disulfide	3.94	ug/L	1.0	99	49	144	1.1	20
Carbon tetrachloride	4.00	ug/L	1.0	102	57	144	2.1	20
Chlorobenzene	3.96	ug/L	1.0	99	76	128	0.5	20
Chlorodibromomethane	4.04	ug/L	1.0	101	72	135	2.4	20
Chloroethane	3.92	ug/L	1.0	98	54	138	3.8	20
Chloroform	4.00	ug/L	1.0	100	69	130	0.5	20
Chloromethane	4.00	ug/L	1.0	100	42	140	3.1	20
2-Chloro-1,3-butadiene	3.92	ug/L	1.0	98	43	152	8.4	20

Qualifiers:

RL - Analyte reporting limit.

MDEC - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 09/21/06
Work Order: H06090044

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: B_R81852
Sample ID: H06090044-004C	Sample Matrix Spike Duplicate				Run: SUB-B81852			09/11/06 17:34	
1,2-Dibromoethane	5.12	ug/L	1.0	102	75	131	3.1	20	
Dibromomethane	5.04	ug/L	1.0	101	72	133	1.6	20	
1,2-Dichlorobenzene	5.12	ug/L	1.0	102	78	129	4.6	20	
1,3-Dichlorobenzene	5.00	ug/L	1.0	100	79	132	5.4	20	
1,4-Dichlorobenzene	5.64	ug/L	1.0	99	78	131	6.2	20	
Dichlorodifluoromethane	6.04	ug/L	1.0	84	55	141	19	20	
1,1-Dichloroethane	6.84	ug/L	1.0	101	72	130	5.1	20	
1,2-Dichloroethane	5.24	ug/L	1.0	105	57	146	2.3	20	
1,1-Dichloroethene	4.56	ug/L	1.0	91	66	142	10	20	
cis-1,2-Dichloroethene	16.7	ug/L	1.0	105	74	133	6.5	20	
trans-1,2-Dichloroethene	5.12	ug/L	1.0	99	76	138	6.1	20	
1,2-Dichloropropane	5.56	ug/L	1.0	100	72	135	5.6	20	
1,3-Dichloropropane	5.04	ug/L	1.0	101	75	134	3.1	20	
2,2-Dichloropropane	5.28	ug/L	1.0	106	42	167	8.7	20	
1,1-Dichloropropene	4.80	ug/L	1.0	96	72	140	10	20	
cis-1,3-Dichloropropene	5.20	ug/L	1.0	104	75	132	3.8	20	
trans-1,3-Dichloropropene	5.72	ug/L	1.0	114	77	145	2.8	20	
Ethylbenzene	4.84	ug/L	1.0	97	78	131	7.9	20	
Hexachlorobutadiene	4.56	ug/L	1.0	91	65	141	4.3	20	
2-Hexanone	52.0	ug/L	20	104	72	131	4.7	20	
Iodomethane	5.48	ug/L	1.0	110	66	132	2.9	20	
Methyl ethyl ketone	51.2	ug/L	20	102	55	145	4.0	20	
Methyl isobutyl ketone	52.8	ug/L	20	106	73	129	4.7	20	
Methylene chloride	5.16	ug/L	1.0	97	73	126	2.3	20	
Naphthalene	5.92	ug/L	1.0	118	55	139	14	20	
Styrene	4.88	ug/L	1.0	98	76	134	1.6	20	
1,1,1,2-Tetrachloroethane	4.88	ug/L	1.0	98	75	135	5.6	20	
1,1,2,2-Tetrachloroethane	5.20	ug/L	1.0	104	72	132	2.3	20	
Tetrachloroethene	5.12	ug/L	1.0	95	78	137	9.7	20	
Toluene	4.96	ug/L	1.0	99	78	134	7.0	20	
1,2,4-Trichlorobenzene	5.48	ug/L	1.0	110	58	142	8.4	20	
1,1,1-Trichloroethane	4.76	ug/L	1.0	95	64	141	8.1	20	
1,1,2-Trichloroethane	5.04	ug/L	1.0	101	72	133	0.8	20	
Trichloroethene	5.56	ug/L	1.0	95	75	138	6.9	20	
Trichlorofluoromethane	4.56	ug/L	1.0	91	58	139	13	20	
1,2,3-Trichloropropane	4.64	ug/L	1.0	93	67	133	1.7	20	
Vinyl acetate	4.64	ug/L	1.0	93	31	124	4.4	20	
Vinyl chloride	9.68	ug/L	1.0	88	66	140	13	20	
m+p-Xylenes	9.96	ug/L	1.0	100	78	133	6.6	20	
o-Xylene	5.08	ug/L	1.0	102	79	136	6.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sierra Silver Bow Public Works Dept
Project: Oil Leak(s)

Report Date: 06/23/08
Work Order: H0800604

Analyte	Result	Units	Qual	SAROD Low Limit	High Limit	RPD	RPD Limit	Date
Method: 8260B								06/20 0_R01242
Sample ID: H0800604-04LD	Sample Matrix: Groundwater				Run: 3MS-080617A			06/17/08 17:24
1,2-Dichloroethane	0.74	ug/L		70	102	25	127	0.7 20
Benzene	0.68	ug/L		70	101	72	120	1.6 20
1,1-Dichloroethene	0.17	ug/L		70	102	78	130	4.6 20
1,2-Dichloropropane	0.20	ug/L		70	100	75	132	0.4 20
1,4-Dichlorobenzene	0.41	ug/L		70	99	76	131	4.2 20
Dichlorodifluoromethane	0.08	ug/L		70	81	57	147	19 20
1,1-Dichloroethane	0.91	ug/L		70	101	72	130	2.1 20
1,2-Dichloroethane	0.94	ug/L		70	105	77	146	3.3 20
1,1-Dichloroethane	0.70	ug/L		70	97	80	142	10 20
cis-1,2-Dichloroethene	0.67	ug/L		70	103	74	133	8.5 20
trans-1,2-Dichloroethene	0.72	ug/L		70	90	70	136	4.1 20
1,2-Dichlorobenzene	0.80	ug/L		70	100	72	139	3.6 20
1,3-Dichlorobenzene	0.84	ug/L		70	105	76	134	3.1 20
2,3-Dichlorobenzene	0.74	ug/L		70	106	62	137	2.7 20
1,4-Dichlorobenzene	0.80	ug/L		70	99	72	140	10 20
cis-1,3-Dichloropropene	0.70	ug/L		70	104	72	132	5.8 20
trans-1,3-Dichloropropene	0.72	ug/L		70	114	72	146	2.3 20
Ethylbenzene	0.68	ug/L		70	97	78	131	2.9 20
Methylene chloride	0.70	ug/L		70	97	65	141	4.3 20
Toluene	0.70	ug/L		70	102	76	131	4.7 20
Chloroform	0.80	ug/L		70	106	60	132	3.8 20
Bromodichloromethane	0.80	ug/L		70	102	65	143	4.6 20
Bromoform	0.74	ug/L		70	104	73	149	8.7 20
Chlorobenzene	0.80	ug/L		70	97	75	138	2.9 20
Methyl tert-butyl ether	0.82	ug/L		70	118	65	134	14 20
Carbon tetrachloride	0.80	ug/L		70	98	70	134	1.8 20
1,1,2-Trichloroethane	0.80	ug/L		70	104	75	132	3.6 20
1,1,2,2-Tetrachloroethane	0.70	ug/L		70	104	75	132	2.3 20
Trichloroethene	0.72	ug/L		70	102	73	137	8.7 20
Toluene	0.68	ug/L		70	95	76	134	7.0 20
1,2,4-Trichlorobenzene	0.68	ug/L		70	110	66	142	9.4 20
1,1,2-Trichloroethane	0.78	ug/L		70	99	70	141	0.1 20
1,2,3-Trichlorobenzene	0.84	ug/L		70	101	72	131	0.4 20
Tetrachloroethene	0.80	ug/L		70	96	70	139	8.9 20
Naphthalene	0.88	ug/L		70	91	62	130	13 20
1,2,3-Trichloropropane	0.84	ug/L		70	93	67	133	7.7 20
Vinyl acetate	0.64	ug/L		70	92	31	129	44 20
Vinyl chloride	0.82	ug/L		70	94	60	140	13 20
Xylene (total)	0.94	ug/L		70	100	72	132	8.8 20
Xylenes	0.68	ug/L		70	101	70	130	8.1 20

Qualifiers:
RL - Analyte reporting limit.

MDL - Method detection limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 09/21/06
Work Order: H06090044

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: B_R81852
Sample ID: H06090044-004C	Sample Matrix Spike Duplicate				Run: SUB-B81852				09/11/06 17:34
Surr: 1,2-Dichloroethane-d4			1.0	116	70	130			
Surr: Dibromofluoromethane			1.0	116	77	126			
Surr: p-Bromofluorobenzene			1.0	112	76	127			
Surr: Toluene-d8			1.0	112	79	122			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 09/21/06
Work Order: H06090044

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: B_23007
Sample ID: MB-23007	Method Blank				Run: SUB-B81878				09/11/06 19:25
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10						
1,2,4-Trichlorobenzene	ND	ug/L	10						
1,2-Dichlorobenzene	ND	ug/L	10						
1,3,5-Trinitrobenzene	ND	ug/L	10						
1,3-Dichlorobenzene	ND	ug/L	10						
1,3-Dinitrobenzene	ND	ug/L	10						
1,4-Benzenediamine	ND	ug/L							P
1,4-Dichlorobenzene	ND	ug/L	10						
1,4-Naphthoquinone	ND	ug/L	10						
1-Methylnaphthalene	ND	ug/L	10						
1-Naphthylamine	ND	ug/L	10						
2,3,4,6-Tetrachlorophenol	ND	ug/L	10						
2,4,5-Trichlorophenol	ND	ug/L	10						
2,4,6-Trichlorophenol	ND	ug/L	10						
2,4-Dichlorophenol	ND	ug/L	10						
2,4-Dimethylphenol	ND	ug/L	10						
2,4-Dinitrophenol	ND	ug/L	50						
2,4-Dinitrotoluene	ND	ug/L	10						
2,6-Dichlorophenol	ND	ug/L	10						
2,6-Dinitrotoluene	ND	ug/L	10						
2-Acetylaminofluorene	ND	ug/L	10						
2-Chloronaphthalene	ND	ug/L	10						
2-Chlorophenol	ND	ug/L	10						
2-Methylnaphthalene	ND	ug/L	10						
2-Naphthylamine	ND	ug/L	10						
2-Nitroaniline	ND	ug/L	10						
2-Nitrophenol	ND	ug/L	10						
2-Picoline	ND	ug/L	10						
3,3´-Dichlorobenzidine	ND	ug/L	20						
3,3´-Dimethylbenzidine	ND	ug/L	10						
3-Methylcholanthrene	ND	ug/L	10						
3-Nitroaniline	ND	ug/L	10						
4,6-Dinitro-2-methylphenol	ND	ug/L	50						
4-Aminobiphenyl	ND	ug/L	10						
4-Bromophenyl phenyl ether	ND	ug/L	10						
4-Chloro-2-methylphenol	ND	ug/L	10						
4-Chloro-3-methylphenol	ND	ug/L	10						
4-Chlorophenol	ND	ug/L	10						
4-Chlorophenyl phenyl ether	ND	ug/L	10						
4-Nitroaniline	ND	ug/L	10						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 09/21/06
Work Order: H06090044

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: B_23007
Sample ID: MB-23007	Method Blank				Run: SUB-B81878				09/11/06 19:25
4-Nitrophenol	ND	ug/L	50						
4-Nitroquinoline-n-oxide	ND	ug/L	10						
5-Nitro-o-toluidine	ND	ug/L	10						
7,12-Dimethylbenz(a)anthracene	ND	ug/L	10						
a,a-Dimethylphenethylamine	ND	ug/L							P
Acenaphthene	ND	ug/L	10						
Acenaphthylene	ND	ug/L	10						
Acetophenone	ND	ug/L	10						
Aniline	ND	ug/L	10						
Anthracene	ND	ug/L	10						
Azobenzene	ND	ug/L	10						
Benzidine	ND	ug/L	20						
Benzo(a)anthracene	ND	ug/L	10						
Benzo(a)pyrene	ND	ug/L	10						
Benzo(b)fluoranthene	ND	ug/L	10						
Benzo(g,h,i)perylene	ND	ug/L	10						
Benzo(k)fluoranthene	ND	ug/L	10						
Benzyl alcohol	ND	ug/L	10						
bis(-2-chloroethoxy)Methane	ND	ug/L	10						
bis(-2-chloroethyl)Ether	ND	ug/L	10						
bis(2-chloroisopropyl)Ether	ND	ug/L	10						
bis(2-ethylhexyl)Phthalate	ND	ug/L	10						
Butylbenzylphthalate	ND	ug/L	10						
Chlorobenzilate	ND	ug/L	10						
Chrysene	ND	ug/L	10						
Dibenzo(a,h)anthracene	ND	ug/L	10						
Dibenzofuran	ND	ug/L	10						
Diethyl phthalate	ND	ug/L	10						
Dimethoate	ND	ug/L	10						
Dimethyl phthalate	ND	ug/L	10						
Di-n-butyl phthalate	ND	ug/L	10						
Di-n-octyl phthalate	ND	ug/L	10						
Diphenylamine	ND	ug/L	10						
Disulfoton	ND	ug/L	10						
Ethyl methanesulfonate	ND	ug/L	10						
Famphur	ND	ug/L	10						
Fluoranthene	ND	ug/L	10						
Fluorene	ND	ug/L	10						
Hexachlorobenzene	ND	ug/L	10						
Hexachlorobutadiene	ND	ug/L	10						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 09/21/06
Work Order: H06090044

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: B_23007
Sample ID: MB-23007	Method Blank				Run: SUB-B81878				09/11/06 19:25
Hexachlorocyclopentadiene	ND	ug/L	20						
Hexachloroethane	ND	ug/L	10						
Hexachlorophene	ND	ug/L							P
Hexachloropropene	ND	ug/L	10						
Indeno(1,2,3-cd)pyrene	ND	ug/L	10						
Isophorone	ND	ug/L	10						
Isosafrole	ND	ug/L	10						
m+p-Cresols	ND	ug/L	10						
Methapyrilene	ND	ug/L							P
Methyl methanesulfonate	ND	ug/L	10						
Methyl parathion	ND	ug/L	10						
Naphthalene	ND	ug/L	10						
Nitrobenzene	ND	ug/L	10						
n-Nitrosodiethylamine	ND	ug/L	10						
n-Nitrosodimethylamine	ND	ug/L	10						
n-Nitroso-di-n-butylamine	ND	ug/L	10						
n-Nitroso-di-n-propylamine	ND	ug/L	10						
n-Nitrosodiphenylamine	ND	ug/L	10						
n-Nitrosomethylethylamine	ND	ug/L	10						
n-Nitrosomorpholine	ND	ug/L	10						
n-Nitrosopiperidine	ND	ug/L	10						
n-Nitrosopyrrolidine	ND	ug/L	10						
o,o,o-Triethyl phosphorothioate	ND	ug/L	10						
o-Cresol	ND	ug/L	10						
o-Toluidine	ND	ug/L	10						
p-(dimethylamino)Azobenzene	ND	ug/L	10						
Parathion	ND	ug/L	10						
p-Chloroaniline	ND	ug/L	10						
Pentachlorobenzene	ND	ug/L	10						
Pentachloronitrobenzene	ND	ug/L	10						
Pentachlorophenol	ND	ug/L	50						
Phenacetin	ND	ug/L	10						
Phenanthrene	ND	ug/L	10						
Phenol	ND	ug/L	10						
Phorate	ND	ug/L	10						
Pronamide	ND	ug/L	10						
Pyrene	ND	ug/L	10						
Pyridine	ND	ug/L	10						
Safrole	ND	ug/L	10						
Sulfotep	ND	ug/L	10						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 09/21/06
Work Order: H06090044

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: B_23007
Sample ID: MB-23007	Method Blank				Run: SUB-B81878				09/11/06 19:25
Thionazin	ND	ug/L	10						
Aramite	ND	ug/L	10						
Diallate	ND	ug/L	10						
Surr: 2,4,6-Tribromophenol			10	99	26	116			
Surr: 2-Fluorobiphenyl			10	72	25	94			
Surr: 2-Fluorophenol			10	49	11	67			
Surr: Nitrobenzene-d5			10	74	19	102			
Surr: Phenol-d5			10	37	15	54			
Surr: Terphenyl-d14			10	99	39	106			
Sample ID: LCS-23007	Laboratory Control Sample				Run: SUB-B81878				09/11/06 19:56
1,2,4-Trichlorobenzene	59.0	ug/L	10	59	36	78			
1,2-Dichlorobenzene	51.6	ug/L	10	52	15	93			
1,3-Dichlorobenzene	49.3	ug/L	10	49	23	77			
1,4-Dichlorobenzene	50.0	ug/L	10	50	13	90			
1-Methylnaphthalene	68.0	ug/L	10	68	18	117			
2,4,5-Trichlorophenol	43.4	ug/L	10	43	36	106			
2,4,6-Trichlorophenol	66.3	ug/L	10	66	29	96			
2 4-Dichlorophenol	61.0	ug/L	10	61	32	86			
2,4-Dimethylphenol	55.4	ug/L	10	55	25	98			
2,4-Dinitrophenol	46.2	ug/L	50	46	10	98			
2,4-Dinitrotoluene	83.9	ug/L	10	84	46	103			
2,6-Dinitrotoluene	83.3	ug/L	10	83	41	101			
2-Chloronaphthalene	68.1	ug/L	10	68	29	92			
2-Chlorophenol	51.7	ug/L	10	52	28	74			
2-Methylnaphthalene	70.2	ug/L	10	70	30	95			
2-Nitroaniline	68.0	ug/L	10	68	38	103			
2-Nitrophenol	63.9	ug/L	10	64	30	94			
3,3'-Dichlorobenzidine	69.4	ug/L	20	69	24	119			
3-Nitroaniline	62.7	ug/L	10	63	29	98			
4,6-Dinitro-2-methylphenol	62.4	ug/L	50	62	10	120			
4-Bromophenyl phenyl ether	80.0	ug/L	10	80	41	103			
4-Chloro-2-methylphenol	66.2	ug/L	10	66	26	102			
4-Chloro-3-methylphenol	65.0	ug/L	10	65	32	102			
4-Chlorophenol	51.7	ug/L	10	52	26	91			
4-Chlorophenyl phenyl ether	77.8	ug/L	10	78	38	101			
4-Nitroaniline	63.6	ug/L	10	64	33	104			
4-Nitrophenol	45.3	ug/L	50	45	10	50			
Acenaphthene	69.4	ug/L	10	69	40	92			
Acenaphthylene	69.3	ug/L	10	69	37	96			
Aniline	22.1	ug/L	10	22	10	101			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Bluffs Sales Box Rodeo Wines Dept.
Project: Oil Lands

Report Date: 08/12/08
Work Order: H0808004

Analyte	Result	Units	RL	Spike Low Limit	High Limit	RPD	Analyzed	Qual
Method: WA1220C							Batch: B_23007	
Sample ID: B3 12027	Method Blank				Run: GC/S-08/12/08		08/11/08 18:25	
Thickener	ND	ug/L	10					
Aprosin	ND	ug/L	10					
Dunnite	ND	ug/L	10					
Sample ID: B3 12027			10	96	26	118		
Dun 2,4,6-Trinitrotoluene			10	72	28	84		
Dun 2-Nitrotoluene			10	68	17	87		
Dun 3-Nitrotoluene			10	74	18	102		
Dun 4-Nitrotoluene			10	37	18	34		
Dun Tetryl			10	68	29	108		
Sample ID: L23-12027	Laboratory Control Sample				Run: GC/S-08/12/08		08/11/08 18:24	
2,4-Dinitrotoluene	28.0	ug/L	10	59	36	78		
2,6-Dinitrotoluene	31.8	ug/L	10	52	45	93		
2-Nitrotoluene	40.3	ug/L	10	49	27	78		
3-Nitrotoluene	33.6	ug/L	10	52	13	80		
4-Nitrotoluene	40.0	ug/L	10	52	18	117		
2,4,6-Trinitrotoluene	43.4	ug/L	10	40	34	100		
2,4,6-Trinitrobenzene	33.2	ug/L	10	46	23	93		
2,4-Dinitrophenol	31.0	ug/L	10	47	22	80		
2,6-Dinitrophenol	35.4	ug/L	10	14	22	89		
2a-Dinitrophenol	44.3	ug/L	20	45	19	82		
2-a-Dinitrophenol	30.3	ug/L	10	34	40	103		
2-Chlorophenol	40.1	ug/L	10	33	47	101		
2-Nitrophenol	32.7	ug/L	10	36	29	83		
4-Chlorophenol	31.7	ug/L	10	50	27	74		
2-Methyl-4,6-dinitrophenol	37.2	ug/L	10	44	30	82		
4-Nitrophenol	7.9	ug/L	10	22	38	102		
Pentachlorophenol	23.8	ug/L	10	64	30	84		
3,3'-Dichlorobenzidine	40.4	ug/L	20	68	24	119		
2-Sulfanilamide	31.7	ug/L	10	64	28	98		
4-Bromophenyl phenyl ether	25.4	ug/L	20	82	10	123		
4-Chlorophenyl phenyl ether	30.0	ug/L	10	80	31	122		
4-Chloro-3-methylphenol	28.3	ug/L	10	84	20	102		
4-Chloroaniline	31.0	ug/L	10	84	32	102		
4-Chlorobenzene	31.7	ug/L	10	82	32	91		
4-Chlorobenzene phenyl ether	27.8	ug/L	10	76	39	107		
Acenaphthene	30.8	ug/L	10	84	34	108		
Acenaphthylene	27.3	ug/L	10	45	10	90		
Anthracene	33.4	ug/L	10	83	40	92		
Benzo(a)pyrene	33.2	ug/L	10	84	40	96		
Aniline	22.1	ug/L	10	22	8	10		

Qualifiers:
RL - Analyte reporting limit.
ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 09/21/06
Work Order: H06090044

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: B_23007
Sample ID: LCS-23007	Laboratory Control Sample				Run: SUB-B81878				09/11/06 19:56
Anthracene	82.8	ug/L	10	83	46	108			
Azobenzene	77.5	ug/L	10	78	38	99			
Benzidine	50.6	ug/L	20	51	10	143			
Benzo(a)anthracene	78.8	ug/L	10	79	41	105			
Benzo(a)pyrene	63.2	ug/L	10	63	42	110			
Benzo(b)fluoranthene	86.7	ug/L	10	87	27	121			
Benzo(g,h,i)perylene	77.7	ug/L	10	78	44	108			
Benzo(k)fluoranthene	67.3	ug/L	10	67	44	111			
Benzyl alcohol	44.4	ug/L	10	44	10	100			
bis(-2-chloroethoxy)Methane	52.3	ug/L	10	52	35	91			
bis(-2-chloroethyl)Ether	57.0	ug/L	10	57	32	81			
bis(2-chloroisopropyl)Ether	62.1	ug/L	10	62	32	78			
bis(2-ethylhexyl)Phthalate	73.2	ug/L	10	73	22	113			
Butylbenzylphthalate	75.1	ug/L	10	75	38	109			
Chrysene	65.7	ug/L	10	66	50	106			
Dibenzo(a,h)anthracene	78.6	ug/L	10	79	47	111			
Dibenzofuran	72.8	ug/L	10	73	43	94			
Diethyl phthalate	83.3	ug/L	10	83	36	105			
Dimethyl phthalate	74.9	ug/L	10	75	43	100			
Di-n-butyl phthalate	80.8	ug/L	10	81	51	114			
Di-n-octyl phthalate	72.7	ug/L	10	73	45	134			
Fluoranthene	83.4	ug/L	10	83	44	111			
Fluorene	76.9	ug/L	10	77	42	99			
Hexachlorobenzene	78.4	ug/L	10	78	40	101			
Hexachlorobutadiene	57.1	ug/L	10	57	24	76			
Hexachlorocyclopentadiene	62.4	ug/L	20	62	21	79			
Hexachloroethane	48.6	ug/L	10	49	23	66			
Indeno(1,2,3-cd)pyrene	85.1	ug/L	10	85	33	112			
isophorone	66.6	ug/L	10	67	40	92			
m+p-Cresols	47.1	ug/L	10	47	24	83			
Naphthalene	60.1	ug/L	10	60	22	108			
Nitrobenzene	65.0	ug/L	10	65	40	82			
n-Nitrosodimethylamine	25.6	ug/L	10	26	16	43			
n-Nitroso-di-n-propylamine	65.9	ug/L	10	66	39	90			
n-Nitrosodiphenylamine	85.8	ug/L	10	86	12	133			
o-Cresol	52.5	ug/L	10	53	22	88			
p-Chloroaniline	54.3	ug/L	10	54	23	82			
Pentachlorophenol	85.4	ug/L	50	85	16	116			
Phenanthrene	79.9	ug/L	10	80	43	106			
Phenol	31.8	ug/L	10	32	17	49			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Burns Stave Blow Molds Wesna Dead

Project: Old Lakeside

Report Date: 04/11/07

Work Order: 1604001-04

Analyte	Result	Units	RL	QA/QC Low Limit	High Limit	RPD	RPD Limit	Qual
Method: 8260/2000								Date: 04/12/07
Sampling ID: LCS-23007	Laboratory Control Sample				Run: 2MS-040412			07:11:00 PM
1,4-Dioxane	82.8	ug/L	10	60	140		105	
Acetone	77.2	ug/L	10	13	36		50	
Benzene	80.8	ug/L	20	57	70		143	
Bromobenzene	76.8	ug/L	10	75	81		100	
Bromochloromethane	83.2	ug/L	10	70	82		110	
Bromodichloromethane	88.7	ug/L	10	81	97		120	
Bromoform/tribromomethane	77.7	ug/L	10	70	84		109	
Bromomethane/methylbromide	87.3	ug/L	10	57	84		111	
2-Butanone	44.4	ug/L	10	44	10		120	
tert-Butylbenzene/t-butylbenzene	90.3	ug/L	10	101	76		81	
sec-Butylbenzene/s-butylbenzene	87.0	ug/L	10	87	77		67	
n-Butylbenzene/n-butylbenzene	83.1	ug/L	10	82	78		76	
Carbon disulfide/carbon disulfide	73.3	ug/L	10	71	77		173	
Carbon tetrachloride/tetrachloromethane	78.1	ug/L	10	72	89		107	
Chlorobenzene	89.7	ug/L	10	86	70		106	
Chloroethane/ethylchloride	77.7	ug/L	10	70	47		111	
Chloroform/trichloromethane	72.8	ug/L	10	73	45		98	
Chloromethane/methylchloride	72.8	ug/L	10	63	30		105	
2-Chlorotoluene/o-chlorotoluene	74.7	ug/L	10	75	43		103	
4-Chlorotoluene/p-chlorotoluene	80.8	ug/L	10	81	57		114	
Dibromochloromethane/chlorodibromomethane	72.7	ug/L	10	73	49		134	
Dibromomethane/methylene bromide	80.4	ug/L	10	81	44		111	
Ethanol	78.9	ug/L	10	77	25		96	
Ethylbenzene/ethylbenzene	78.4	ug/L	10	80	60		101	
Hexachlorobutadiene/hexachlorobutadiene	87.1	ug/L	10	87	29		76	
Hexachloroethane/hexachloroethane	82.4	ug/L	20	62	26		75	
Isopropylbenzene/cumene	88.0	ug/L	10	81	72		65	
Isopropyl 2-chloroethyl ether	83.1	ug/L	10	75	70		175	
Methanol	90.8	ug/L	10	87	40		87	
Methylene chloride	77.7	ug/L	10	47	34		92	
Naphthalene/naphthalene	80.1	ug/L	10	65	22		118	
Propylbenzene/n-propylbenzene	83.0	ug/L	10	85	49		92	
Styrene/styrene	82.0	ug/L	10	82	70		42	
1,1,1,2-Tetrachloroethane/1,1,1,2-tetrachloroethane	82.5	ug/L	10	87	39		36	
1,1,2,2-Tetrachloroethane/1,1,2,2-tetrachloroethane	82.8	ug/L	10	80	18		125	
Tetrachloroethene/tetrachloroethene	82.8	ug/L	10	83	22		56	
p-Cymene	84.3	ug/L	10	84	23		96	
p-Diethylbenzene	87.4	ug/L	20	83	10		118	
Phenylbenzene/biphenyl	78.2	ug/L	10	85	45		102	
Phenylacetylene	81.8	ug/L	10	82	17		46	

Qualifiers:

RL - Analyte reported at the reporting limit

ND - Not detected at the reporting limit

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 09/21/06
Work Order: H06090044

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: B_23007
Sample ID: LCS-23007	Laboratory Control Sample				Run: SUB-B81878				09/11/06 19:56
Pyrene	72.7	ug/L	10	73	41	106			
Pyridine	21.9	ug/L	10	22	10	47			
Surr: 2,4,6-Tribromophenol			10	88	26	116			
Surr: 2-Fluorobiphenyl			10	67	25	94			
Surr: 2-Fluorophenol			10	34	11	67			
Surr: Nitrobenzene-d5			10	67	19	102			
Surr: Phenol-d5			10	30	15	54			
Surr: Terphenyl-d14			10	82	39	106			
Sample ID: App2A-23007	Laboratory Control Sample				Run: SUB-B81878				09/11/06 20:27
1,2,4,5-Tetrachlorobenzene	59.9	ug/L	10	60	15	124			
1,3-Dinitrobenzene	74.5	ug/L	10	75	24	136			
1,4-Naphthoquinone	68.8	ug/L	10	69	59	103			
2,3,4,6-Tetrachlorophenol	64.4	ug/L	10	64	10	123			
2,6-Dichlorophenol	55.1	ug/L	10	55	12	133			
2-Acetylaminofluorene	82.5	ug/L	10	83	39	130			
2-Nitroaniline	74.4	ug/L	10	74	38	103			
3-Methylcholanthrene	77.1	ug/L	10	77	10	183			
3-Nitroaniline	58.5	ug/L	10	59	29	98			
4-Nitroaniline	62.7	ug/L	10	63	33	104			
7,12-Dimethylbenz(a)anthracene	94.3	ug/L	10	94	30	130			
Aniline	54.9	ug/L	10	55	10	101			
Chlorobenzilate	84.4	ug/L	10	84	36	128			
Dibenzofuran	80.8	ug/L	10	81	43	94			
Dimethoate	73.6	ug/L	10	74	15	151			
Disulfoton	81.9	ug/L	10	82	10	159			
Ethyl methanesulfonate	50.3	ug/L	10	50	10	143			
Hexachloropropene	57.9	ug/L	10	58	10	131			
Isosafrole	63.9	ug/L	10	64	27	114			
Methapyrilene	36.2	ug/L		36	20	140			
Methyl methanesulfonate	35.2	ug/L	10	35	14	123			
Methyl parathion	90.5	ug/L	10	91	15	159			
o,o,o-Triethyl phosphorothioate	64.7	ug/L	10	65	31	108			
Parathion	82.0	ug/L	10	82	31	137			
p-Chloroaniline	53.6	ug/L	10	54	23	82			
Pentachlorobenzene	73.5	ug/L	10	74	15	127			
Phorate	81.3	ug/L	10	81	16	153			
Safrole	69.3	ug/L	10	69	28	113			
Sulfotep	79.1	ug/L	10	79	15	135			
Thionazin	79.6	ug/L	10	80	25	147			
Aramite	82.2	ug/L	10	82	15	152			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

GAGC2 Summary Report

Client: Scott Silver Dove Vale, Wicken Dale
Project: Oil Leak

Report Date: 08/12/07
Work Order: 17H0801

Analyte	Result	Units	RL	MRL	MDL	Prep Date	Run Date	Qual
Method: SW8015C								Batch ID: 31907
Sample ID: LCS-31907		**Laboratory Control Sample**					**Run: GC-FID-A/A**	08/11/07 12:56
Propane	72.2	ug/L	10	13	47			102
Butane	2.6	ug/L	10	22	19			97
Iso-2,4,6-Trimethylpentane			10	29	25			110
Iso-2,3,4-Trimethylpentane			10	30	22			94
Iso-2,3-Dimethylhexane			10	34	11			97
Iso-2-Methylheptane			10	37	19			102
Iso-2,2,4-Trimethylpentane			10	27	16			94
Iso-2,2,5-Trimethylhexane			10	42	10			100
Iso-2,2,3-Trimethylpentane								
Sample ID: Aqua-LCS01		**Laboratory Control Sample**					**Run: GC-FID-A/A**	08/13/07 22:27
2,4,6-Trichlorophenol	38.9	ug/L	10	44	15			77
2-Chlorobiphenyl	74.5	ug/L	10	72	24			144
2-Chlorophenol	52.8	ug/L	10	69	29			105
2-Methylnaphthalene	64.4	ug/L	10	64	15			129
2,4,6-Tribromophenol	64.1	ug/L	10	63	13			128
2,4-Dichlorophenol	62.4	ug/L	10	60	30			125
2,4-Dimethylphenol	74.4	ug/L	10	74	34			149
2,4-Dinitrophenol	77.2	ug/L	10	77	70			154
2,4-Dinitrotoluene	62.7	ug/L	10	63	21			125
2,6-Dinitrotoluene	62.4	ug/L	10	62	23			124
2-Chloronaphthalene	52.3	ug/L	10	64	29			105
2-Chlorophenol	52.0	ug/L	10	57	29			104
2-Nitrophenol	64.4	ug/L	10	64	34			129
3,3'-Dichlorobenzidine	60.0	ug/L	10	67	40			120
3-Methylcholanthrene	73.0	ug/L	10	74	15			121
4-Chloroaniline	51.7	ug/L	10	52	10			103
4-Chloro-3-methylphenol	60.2	ug/L	10	67	10			120
4-Nitroaniline	57.2	ug/L	10	58	10			114
4-Nitrophenol	50.0	ug/L	10	54	27			100
Acenaphthene	50.3	ug/L		38	20			101
Acenaphthylene	52.2	ug/L	10	53	14			104
Aniline	50.0	ug/L	10	31	18			100
Benzo(a)anthracene	54.7	ug/L	10	60	21			109
Benzo(a)pyrene	52.0	ug/L	10	62	34			107
Benzo(b)fluoranthene	54.8	ug/L	10	64	22			87
Benzo(g,h,i)perylene	54.8	ug/L	10	74	18			127
Benzo(k)fluoranthene	51.3	ug/L	10	61	15			102
Benzoic acid	94.4	ug/L	10	60	26			189
Benzyl alcohol	64.2	ug/L	10	72	16			128
Biphenyl	52.0	ug/L	10	60	26			104
Bis(2-chloroethoxy)methane	52.2	ug/L	10	64	15			104
Bis(2-chloroethyl)ether	52.2	ug/L	10	62	15			104
Bis(2-chloroisopropyl)ether	52.2	ug/L	10	62	15			104
Bis(2-ethylhexyl)phthalate	52.2	ug/L	10	62	15			104
Butylbenzylphthalate	52.2	ug/L	10	62	15			104
Carbazole	52.2	ug/L	10	62	15			104
Chrysene	52.2	ug/L	10	62	15			104
Dibenzofuran	52.2	ug/L	10	62	15			104
Diethylphthalate	52.2	ug/L	10	62	15			104
Dimethylphthalate	52.2	ug/L	10	62	15			104
Di-n-butylphthalate	52.2	ug/L	10	62	15			104
Di-n-octylphthalate	52.2	ug/L	10	62	15			104
Fluoranthene	52.2	ug/L	10	62	15			104
Fluorene	52.2	ug/L	10	62	15			104

Qualifiers:
RL - Analyte reporting limit.

MDL - Method detection limit.
ND - Not detected at the reporting limit.

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ENERGY LABORATORIES, INC. • P.O. Box 5688 • 3161 East Lyndale Ave. • Helena, MT 59604
877-472-0711 • 406-442-0711 • 406-442-0712 fax • helena@energylab.com

QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 09/21/06
Work Order: H06090044

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: B_23007
Sample ID: App2A-23007	Laboratory Control Sample				Run: SUB-B81878				09/11/06 20:27
Diallate	80.4	ug/L	10	80	70	130			
Surr: 2,4,6-Tribromophenol			10	81	26	116			
Surr: 2-Fluorobiphenyl			10	73	25	94			
Surr: 2-Fluorophenol			10	34	11	67			
Surr: Nitrobenzene-d5			10	64	19	102			
Surr: Phenol-d5			10	31	15	54			
Surr: Terphenyl-d14			10	85	39	106			
Sample ID: App2B-23007	Laboratory Control Sample				Run: SUB-B81878				09/11/06 20:58
1,3,5-Trinitrobenzene	65.3	ug/L	10	65	28	77			
1-Naphthylamine	45.8	ug/L	10	46	10	111			
2-Naphthylamine	53.0	ug/L	10	53	10	120			
2-Picoline	31.1	ug/L	10	31	13	93			
3,3'-Dimethylbenzidine	46.4	ug/L	10	46	10	116			
4-Aminobiphenyl	61.3	ug/L	10	61	20	131			
4-Nitroquinoline-n-oxide	52.5	ug/L	10	53	26	149			
5-Nitro-o-toluidine	53.5	ug/L	10	54	29	131			
Acetophenone	51.0	ug/L	10	51	17	144			
Diphenylamine	63.1	ug/L	10	63	31	140			
n-Nitrosodiethylamine	48.2	ug/L	10	48	18	130			
n-Nitroso-di-n-butylamine	63.6	ug/L	10	64	21	159			
n-Nitrosomethylethylamine	42.7	ug/L	10	43	14	114			
n-Nitrosomorpholine	43.2	ug/L	10	43	10	165			
n-Nitrosopiperidine	52.1	ug/L	10	52	23	148			
n-Nitrosopyrrolidine	47.2	ug/L	10	47	10	150			
o-Toluidine	39.6	ug/L	10	40	10	136			
p-(dimethylamino)Azobenzene	81.5	ug/L	10	82	40	143			
Pentachloronitrobenzene	76.2	ug/L	10	76	10	172			
Phenacetin	51.7	ug/L	10	52	30	143			
Pronamide	62.5	ug/L	10	63	30	145			
Surr: 2,4,6-Tribromophenol			10	61	26	116			
Surr: 2-Fluorobiphenyl			10	60	25	94			
Surr: 2-Fluorophenol			10	28	11	67			
Surr: Nitrobenzene-d5			10	58	19	102			
Surr: Phenol-d5			10	24	15	54			
Surr: Terphenyl-d14			10	60	39	106			
Sample ID: B06090286-001AMS	Sample Matrix Spike				Run: SUB-B81878				09/11/06 22:01
1,2,4-Trichlorobenzene	64.4	ug/L	20	64	36	78			
1,4-Dichlorobenzene	52.4	ug/L	20	52	13	90			
2,4-Dinitrotoluene	81.2	ug/L	20	81	46	103			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

GC/MS Summary Report

Client: Bruce Stewart Environmental Lab
Project: Old Landfill

Received Date: 07/21/08
Work Order: 1K0208JAA

Analyst: BWB1210C

Sample ID: Apr24-2007
Filename: Run 2/1/5-Tetrachloroethane
Run 2/1/6-Trichlorobenzene
Run 2/1/7-Phenol
Run Naphthalene-d5
Run Phenol-d5
Run Terphenyl-d14

Sample ID: Apr22-2007
Filename: Run 2/1/1-Acetone
Run 2/1/2-Methylene Chloride
Run 2/1/3-Chloroform
Run 2/1/4-Carbon Tetrachloride
Run 2/1/5-Benzene
Run 2/1/6-Trichloroethylene
Run 2/1/7-Toluene
Run 2/1/8-Tetrachloroethylene
Run 2/1/9-Chlorobenzene
Run 2/1/10-Ethylbenzene
Run 2/1/11-Xylenes (total)
Run 2/1/12-Styrene
Run 2/1/13-Bromoform
Run 2/1/14-1,1,2,2-Tetrachloroethane
Run 2/1/15-1,3-Dichlorobenzene
Run 2/1/16-1,4-Dichlorobenzene
Run 2/1/17-1,2-Dichlorobenzene
Run 2/1/18-1,2,4-Trichlorobenzene
Run 2/1/19-Naphthalene
Run 2/1/20-Hexachlorobutadiene
Run 2/1/21-Phenol
Run 2/1/22-2-Chlorophenol
Run 2/1/23-2-Nitrophenol
Run 2/1/24-2,4-Dimethylphenol
Run 2/1/25-2,4-Dichlorophenol
Run 2/1/26-2,4,6-Trichlorophenol
Run 2/1/27-4-Chloro-3-methylphenol
Run 2/1/28-2,4-Dinitrophenol
Run 2/1/29-4-Nitrophenol
Run 2/1/30-Pentachlorophenol
Run 2/1/31-Naphthalene-d8
Run 2/1/32-Phenanthrene-d10
Run 2/1/33-Chrysene-d12
Run 2/1/34-Perylene-d12

Sample ID: Apr22-2007
Filename: Run 2/1/35-Hexachlorobenzene
Run 2/1/36-Pentachlorobenzene
Run 2/1/37-1,2,4-Trichlorobenzene
Run 2/1/38-1,2,3-Trichlorobenzene
Run 2/1/39-2,4-Dichlorophenol

Comments:
Run - Analyte recovery low

Laboratory Control Sample
Spike Matrix Blank

Run 2/1/5-Tetrachloroethane
Run 2/1/6-Trichlorobenzene
Run 2/1/7-Phenol
Run Naphthalene-d5
Run Phenol-d5
Run Terphenyl-d14

Run 2/1/1-Acetone
Run 2/1/2-Methylene Chloride
Run 2/1/3-Chloroform
Run 2/1/4-Carbon Tetrachloride
Run 2/1/5-Benzene
Run 2/1/6-Trichloroethylene
Run 2/1/7-Toluene
Run 2/1/8-Tetrachloroethylene
Run 2/1/9-Chlorobenzene
Run 2/1/10-Ethylbenzene
Run 2/1/11-Xylenes (total)
Run 2/1/12-Styrene
Run 2/1/13-Bromoform
Run 2/1/14-1,1,2,2-Tetrachloroethane
Run 2/1/15-1,3-Dichlorobenzene
Run 2/1/16-1,4-Dichlorobenzene
Run 2/1/17-1,2-Dichlorobenzene
Run 2/1/18-1,2,4-Trichlorobenzene
Run 2/1/19-Naphthalene
Run 2/1/20-Hexachlorobutadiene
Run 2/1/21-Phenol
Run 2/1/22-2-Chlorophenol
Run 2/1/23-2-Nitrophenol
Run 2/1/24-2,4-Dimethylphenol
Run 2/1/25-2,4-Dichlorophenol
Run 2/1/26-2,4,6-Trichlorophenol
Run 2/1/27-4-Chloro-3-methylphenol
Run 2/1/28-2,4-Dinitrophenol
Run 2/1/29-4-Nitrophenol
Run 2/1/30-Pentachlorophenol
Run 2/1/31-Naphthalene-d8
Run 2/1/32-Phenanthrene-d10
Run 2/1/33-Chrysene-d12
Run 2/1/34-Perylene-d12

Run 2/1/35-Hexachlorobenzene
Run 2/1/36-Pentachlorobenzene
Run 2/1/37-1,2,4-Trichlorobenzene
Run 2/1/38-1,2,3-Trichlorobenzene
Run 2/1/39-2,4-Dichlorophenol

ND - Not detected at the reporting limit

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 09/21/06
Work Order: H06090044

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: B_23007
Sample ID: B06090286-001AMS	Sample Matrix Spike				Run: SUB-B81878				09/11/06 22:01
2-Chlorophenol	92.8	ug/L	20	62	28	74			
4-Chloro-3-methylphenol	139	ug/L	20	93	32	102			
4-Nitrophenol	63.2	ug/L	100	42	10	50			
Acenaphthene	73.6	ug/L	20	74	40	92			
n-Nitroso-di-n-propylamine	88.4	ug/L	20	88	39	90			
Pentachlorophenol	150	ug/L	100	100	16	116			
Phenol	76.4	ug/L	20	51	17	49			S
Pyrene	94.0	ug/L	20	94	41	106			
Surr: 2,4,6-Tribromophenol			20	87	26	116			
Surr: 2-Fluorobiphenyl			20	72	25	94			
Surr: 2-Fluorophenol			20	48	11	67			
Surr: Nitrobenzene-d5			20	84	19	102			
Surr: Phenol-d5			20	48	15	54			
Surr: Terphenyl-d14			20	94	39	106			
Sample ID: B06090286-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-B81878				09/11/06 22:32
1,2,4-Trichlorobenzene	64.6	ug/L	20	65	36	78	0.3	28	
1,4-Dichlorobenzene	57.2	ug/L	20	57	13	90	8.8	28	
2,4-Dinitrotoluene	87.6	ug/L	20	88	46	103	7.6	38	
2-Chlorophenol	98.8	ug/L	20	66	28	74	6.3	40	
4-Chloro-3-methylphenol	147	ug/L	20	98	32	102	5.6	42	
4-Nitrophenol	68.6	ug/L	100	46	10	50	0.0	50	
Acenaphthene	79.6	ug/L	20	80	40	92	7.8	31	
n-Nitroso-di-n-propylamine	90.8	ug/L	20	91	39	90	2.7	38	S
Pentachlorophenol	162	ug/L	100	108	16	116	7.7	50	
Phenol	84.6	ug/L	20	56	17	49	10	42	S
Pyrene	104	ug/L	20	104	41	106	9.7	31	
Surr: 2,4,6-Tribromophenol			20	95	26	116	0.0	40	
Surr: 2-Fluorobiphenyl			20	70	25	94	0.0	40	
Surr: 2-Fluorophenol			20	51	11	67	0.0	40	
Surr: Nitrobenzene-d5			20	80	19	102	0.0	40	
Surr: Phenol-d5			20	53	15	54	0.0	40	
Surr: Terphenyl-d14			20	100	39	106	0.0	40	

Qualifiers:
RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT, provide as much information as possible. Refer to corresponding notes on reverse side.

Company Name: Pioneer Technical Services

Project Name, PWS #, Permit #, Etc.: Old Landfill

Report Mail Address: 307 E. Park Ave #305, Anaconda, MT. 59711

Contact Name, Phone, Fax, E-mail: Brad Hollamon 490-7678

Sampler Name if other than Contact:

Invoice Address: Gary Keeler, BSB Public Works Dept. 126 W. Granite, Butte, MT 59701

Invoice Contact & Phone #: Amanda Booth 406-782-5177

Purchase Order #:

ELI Quote #:

Report Required For: POTW/WWTP ☐ DW ☐ Other _____

Special Report Formats - ELI must be notified prior to sample submittal for the following:

NELAC ☐ A2LA ☐ Level IV ☐

Other _____

EDD/EDT ☐ Format _____

ANALYSIS REQUESTED

Notify ELI prior to RUSH sample submittal for additional charges and scheduling

Comments:

Receipt Temp 1.5 °C

Cooler ID(s) Hatch Net

Custody Seal Y N

Intact Y N

Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other)	8270	8151	9056							SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments	Lab ID
1	BSB-GW-04	9/5/06	11:15	W, S	X	X	X											
2	BSB-GW-01		12:00	W, S	X	X	X											
3	BSB-GW-02		13:30	W, S	X	X	X											
4	BSB-GW-05		14:15	W, 7	X	X	X											
5																		
6																		
7																		
8																		
9																		
10																		

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by:	Date/Time:	Shipped by:	Received by:	Date/Time:
Brad Hollamon	9/7/06 10:22		[illegible]	9/7/06 1:22

Sample Disposal: Return to client: _____ Lab Disposal: _____

LABORATORY USE ONLY

Sample Type: _____ # of fractions _____

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at *www.energylab.com* for additional information, downloadable fee schedule, forms, & links.

Contact us through one of our six branches or through our web site www.energylab.com

BILLINGS, MT 1120 South 27th (59101) PO Box 30916 (59107)	Toll Free Voice Fax	800.735.4489 406.252.6325 406.252.6069	CASPER, WY 2393 Salt Creek Highway (82601) PO Box 3258 (82602)	Toll Free Voice Fax	888.235.0515 307.235.0515 307.234.1639	COLLEGE STATION, TX 415 Graham Road (77845)	Toll Free Voice Fax	888.690.2218 979.690.2217 979.690.2045
GILLETTE, WY 1105 West First Street (82716)	Toll Free Voice Fax	866.686.7175 307.686.7175 307.682.4625	HELENA, MT 3161 E Lyndale Ave (59601) PO Box 5688 (59604)	Toll Free Voice Fax	877.472.0711 406.442.0711 406.442.0712	RAPID CITY, SD 2821 Plant Street (57702)	Toll Free Voice Fax	888.672.1225 605.342.1225 605.342.1397

1. Please complete the Chain of Custody with as much detailed information as possible. This information is required so that the appropriate analytical services, reporting and invoicing can be provided for your project.

2. If services other than standard are required for your analytical project, contact ELI *PRIOR* to sample submittal. Additional charges will be applied for the following services: RUSH TAT, NELAC, A2LA, or Level IV reporting, EDD/EDT, etc.

3. ELI provides quotes for project specific sampling requirements that may include, but are not limited to, non-standard reporting limits, odd matrices, RUSH TAT and specific method requests. It is very important to provide the ELI quote number to assure that you receive the quoted pricing for your project.

4. Basic Aqueous Sampling Instructions: Analytical services include preserved and unpreserved sample bottles, preservatives, and shipping containers at no additional cost. In certain cases, additional charges will be made for special sampling containers (i.e. Tedlar or equivalent bags, 3M or equivalent passive monitors). Preservatives are contained in small vials with color-coded caps and labels that correspond to the table below.

Preservative	Cap Color	Label Color
Hydrochloric Acid	Blue	Blue
Nitric Acid	Red	Fluorescent Red
Non-Preserved (raw)	None	White w/Red Print
Phosphoric Acid	White	White w/Black Print
Sodium Hydroxide	Green	Fluorescent Green w/ Black Print
Sulfuric Acid	Yellow	Fluorescent Yellow
Zinc Acetate	Purple	Fluorescent Green w/ Black Print

Fill container with sample and empty contents of preservative vial into container or as instructed. If sample containers are pre-preserved, DO NOT FLUSH or RINSE PRESERVATIVE. Secure lid and invert slowly to mix.

If you are uncertain of the preservative or preparation required for your sampling project, please contact an ELI representative for instructions.

Proper cooling for specific sample matrices is required. ELI provides resealable bags for crushed ice to be packed around the sample(s). Blue ice or equivalent does not maintain the required 4°C temperature. Samples should be securely packed in the shipping containers provided.

5. Sample Disposal: ELI, when applicable, will dispose of all non-hazardous samples. Routinely, hazardous samples will be returned to client. If requested, ELI will dispose of hazardous samples at client's expense.

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page ____ of ____

PLEASE PRINT, provide as much information as possible. Refer to corresponding notes on reverse side.

Company Name: ABC Corporation

Project Name, PWS #, Permit #, Etc.: Rockport Reclamation Project

Report Mail Address: 1234 Main St. Anywhere, MT 59101

Contact Name, Phone, Fax, E-mail: John Smith 605-444-1234 anyone@email.com

Sampler Name if other than Contact: SAME

Invoice Address: P.O. Box 222 City, ST 11111

Invoice Contact & Phone #: Jane Doe 406-555-1212

Purchase Order #: A98765

ELI Quote #: HO1-172

Report Required For: POTW/WWTP ☐ DW ☐ Other _____

Special Report Formats - ELI must be notified prior to sample submittal for the following:
NELAC ☐ A2LA ☐ Level IV ☐
Other _____
EDD/EDT ☐ Format _____

ANALYSIS REQUESTED

Notify ELI prior to RUSH sample submittal for additional charges and scheduling

Comments: Spoke to Joe RE: Rush TAT

Receipt Temp _____ °C
Cooler ID(s) _____
Custody Seal Y N
Intact Y N
Signature Match Y N

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	Number of Containers / Sample Type: A W S V U O / Preservative: None Acid Base Vegetation Ultra Other / MATRIX	Mercury	VOCs 8260	TOX								SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)		Lab ID
1 MW-1	08/01/01	13:10	3-W	X	X	X												
2 Soil From Pad	08/02/01	09:47	1-S	X	X	X												
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

LABORATORY USE ONLY

Example

Custody Record MUST be Signed	Relinquished by:	Date/Time:	Shipped by:	Received by:	Date/Time:
	John Smith	08/09/01 14:15	Hand Deliver	Mary Cook	08/09/01 14:18
	Relinquished by:	Date/Time:	Shipped by:	Received by:	Date/Time:

Sample Disposal: Return to client: _____ Lab Disposal: _____

LABORATORY USE ONLY
Sample Type: _____ # of fractions _____

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, & links

CHAIN OF CUSTODY

PROJECT ID: BSB Old Landfill/Clark Tailings

LABORATORY PERFORMING ANALYSIS: MSE

SAMPLERS (Signature): Brad Hallaman

ANALYSIS REQUESTED

REMARKS

Turnaround Time (TAT)

- [x] Standard TAT
- [ ] Rush TAT (please contact laboratory personnel for arrangements)

SAMPLE ID	LAB ID	DATE	TIME	pH, EC, Cl⁻, SO₄⁻², NO₂/NO₃	CN⁻	COD	Diss. Metals			
BSB-GW-04		9/5/06	11:15	X	X	X				
BSB-GW-01			12:06	X	X	X	X			
BSB-GW-02			13:30	X	X	X				
BSB-GW-05			14:15	X	X	X				
BSB-GW-07			14:55	X			X			
BSB-GW-06			15:30	X			X			

Invoice: Gary Keeler, BSB Public Works Dept., 126 W. Granite, Butte, MT. 59701

Invoice PTS

RELINQUISHED BY (Signature)	DATE	TIME	RECEIVED BY (Signature)	DATE	TIME
Brad Hallaman	9/6/06	13:08	Gary E. Wyss	9/06/06	1308
PRINTED NAME: Brad Hallaman	COMPANY: PTS		PRINTED NAME: Gary E. Wyss	COMPANY: MSE Lab	
RELINQUISHED BY (Signature)	DATE	TIME	RECEIVED BY (Signature)	DATE	TIME
PRINTED NAME	COMPANY		PRINTED NAME	COMPANY	
RELINQUISHED BY (Signature)	DATE	TIME	RECEIVED FOR LAB BY (Signature)	DATE	TIME
PRINTED NAME	COMPANY		PRINTED NAME	COMPANY	

COMMENTS: Results: Shawn Bisch PTS. Temp 3.0°C

MSE Technology Applications, Inc.
200 Technology Way
P.O. Box 4078 Butte, MT 59701
PH: (406) 494-7100 / Fax: (406) 494-7230

PIONEER
TECHNICAL SERVICES, INC.

P.O. BOX 3445 BUTTE, MONTANA 59702
PHONE (406) 782-5177 FAX (406) 782-5866
e-mail pioneer@in-tch.com internet www.pioneer-technical.com

June 08, 2006

Mr. Pat Crowley
MDEQ/Permitting and Compliance Division
P.O Box 200901
Helena, MT 59620

Dear Pat,

Enclosed are the analytical results and supporting documentation (including an update of statistics) for the latest groundwater sampling conducted at the old Butte-Silver Bow County Landfill; the samples were collected on March 16, 2006 as part of the assessment monitoring requirements.
All of the organic analysis was sent to ELI in Billings.
QA/QC samples consisting of Duplicate and Blank samples were collected during this sampling event.

Feel free to call me at 782-5177 with any questions or concerns you may have regarding the enclosed data.

Sincerely,

Brad Hollamon

Brad Hollamon
Senior Technician

Encl.

cc. Gary Keeler, BSB Landfill Manager
Shawn Bisch, Pioneer Technical Services Inc.

RECEIVED
JUN 12 2006
Dept. of Enviro. Quality
Waste & Underground
Tank Management Bureau

100% post-consumer paper & 100% vegetable based inks

OLD SILVER BOW LANDFILL
MARCH 2006 GROUNDWATER MONITORING

The March 2006 round of sampling at the Old Silver Bow Landfill included sampling for the full Table 2 list of analytics in accordance with the Assessment Monitoring program. Table 1, attached, summarizes the analytical results. The discussion below compares these data to previous results and to current Maximum Contaminant Levels (MCLs) and Montana Human Health Standards (HHSs).

Well MBMG-2 (up gradient):

No semi-volatiles, volatile, chlorinated acids, or pesticides were detected in the well during this sampling event. Metals detected below the mean are; As (0.0017 mg/L), Ba (0.137 mg/L), Se (0.0011mg/L) and V (0.0086 mg/L). Nitrate/nitrite (6.61 mg/L), Chloride (46 mg/l), Sulfate (144 mg/L) and COD (6.40 mg/L) were detected at concentrations below the mean.

Well BSB-A1 (North):

Three volatile organic compounds were detected in this well during this sampling event, cis-1,2-Dichloro-ethene (ELI 0.70 J µg/L), Tetrachloroethane (ELI 0.48 J µg/L) and Trichloroethene (ELI 0.23 J µg/L). No other semi-volatiles, chlorinated acids, or pesticides were detected. In accordance with the modified assessment-monitoring program, a sample for metals analyses was not collected from this well.
There were no inorganic compounds detected at levels above the mean during this sampling event in this well. Chloride (16.0 mg/L) sulfate (76.6 mg/L), Nitrate/Nitrite (0.43 mg/L) and COD (12.3 mg/L) were detected at levels below the mean.
No MCL or HHS exceedences were observed in this well during this sampling event.

Well BSB-A5 (Northeast Well):

BSB-A5 well was not sampled during this event. The well was determined to be dry.

Well BSB-A6-R (Central Well):

Well BSB-A6-R is the replacement well for BSB-A6, removed during the construction of Timber Butte Youth Park. Nine volatile organic compounds (VOC's) were detected in this well; five of the nine were detected at levels below the quantification limit. The nine volatile organic compounds were as follows:

- Benzene (0.36 J ug/L);
- Dichlorodifluoromethane (3.9 ug/L);
- 1,1-DCE (2.50 ug/L);
- Cis-1,2-DCE (2.2 ug/L);
- 1,2-Dichloropropane (0.72 J ug/L);
- Methylene Chloride (0.56 J ug/L);
- Tetrachloroethene (0.48 J ug/L);
- Trichloroethene (0.27 J ug/L);
- Vinyl Chloride (1.2 ug/L).

No other semi-volatiles, chlorinated acids, or pesticides were detected. In accordance with the modified assessment-monitoring program, a sample for metals analyses was not collected from this well.

Chloride (59.2 mg/L) was detected above the mean value of 54.60 mg/L. Sulfate (1310 mg/L) and COD (18.3 mg/L) were also detected, but were well below previous results. Sulfate exceeds the secondary USEPA MCL of 250 mg/L.

Well CLK-1 (Clark Tailings North Well):

In accordance with the modified assessment-monitoring program, no samples for organic analyses were collected from this well. The measured concentrations of the majority of metals were relatively low; the detected concentrations of arsenic (0.089 mg/L), cadmium (0.0150 mg/L), Zn (78.2 mg/L) and iron (19.6 mg/L), exceed US EPA MCL or Montana HHS standards.
Sulfate was detected at a concentration of 1350 mg/L, which exceeds the secondary MCL for this compound. Chloride was also detected (36 mg/L), with a mean value of 35 mg/L.

Well CLK-2 (Clark Tailings East Well):

In accordance with the modified assessment-monitoring program, no samples for organic analyses were collected from this well. The measured concentrations of the majority of metals were relatively low; the detected concentrations of arsenic (0.0016 mg/L), cadmium (0.00094 mg/L), and zinc (0.667 mg/L) were low respective to MCLs, secondary MCLs, or Montana HHS concentrations for these metals. Nickel (0.0335 mg/L) was also detected in this well above the mean value of (0.015 mg/L).
Sulfate was detected at a concentration of 792 mg/L, which exceeds the secondary MCL for this compound. Chloride (64 mg/L) was detected above the mean of (57 mg/L).

Conclusion:

The March 2006 sampling event at the Old Butte-Silver Bow Landfill included sampling according to the modified assessment-monitoring program (see Table 2 for analytical data). The results for metals, inorganics, and organic contaminants obtained from this sampling event were comparable to previous results.
Duplicate samples for BSB-A6R and CLK-2 were collected during this sampling event. A6R for VOA 8260 only and CLK-2 for dissolved metals and inorganic analysis only. A field blank was also collected for dissolved metals and inorganic analysis only. A trip blank was analyzed for the organic analysis at the lab.

TABLE 5-3 (updated 05/25/2006)

SILVER BOW COUNTY -OLD LANDFILL GROUNDWATER DATA SUMMARY - ORGANIC CONSTITUENTS (ug/L)

Analyte	STANDARDS MCL	STANDARDS HHS	MBMG-2 Mean	MBMG-2 Median	BSB-A1 Mean	BSB-A1 Median	BSB-A5 Mean	BSB-A5 Median	BSB-A6-R Mean	BSB-A6-R Median	Mean Exceeds Std. or Bkd	Median Exceeds Std. or Bkd.	BLANK Mean	BLANK Median	LAB MDL
			n= 25		n= 27		n= 19		n= 11				n= 18		
Acetone	- -	- -	3.68	1.65	4.40	1.65	1.82	1.65	3.85	2.71	A6R (bkd)	A6R (bkd)	4.82	1.65	3.3
Benzene	5	5	0.03	0.03	0.03	0.03	0.03	0.03	0.35	0.36	A6R (bkd)	A6R (bkd)	0.03	0.03	0.05
Carbon Disulfide	- -	- -	1.13	0.05	0.20	0.05	0.11	0.05	0.05	0.05	None	None	0.15	0.05	0.09
Chloroethane	- -	- -	0.05	0.05	0.05	0.05	0.05	0.05	0.08	0.05	None	None	0.05	0.05	0.1
Chloroform	- -	60	0.49	0.47	0.05	0.05	0.06	0.05	0.07	0.05	None	None	0.10	0.05	0.09
Chloromethane	- -	- -	0.04	0.04	0.07	0.04	0.04	0.04	0.04	0.04	None	None	0.14	0.04	0.08
1,2-Dichlorobenzene-8260	600	600	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	None	None	0.09	0.09	0.17
1,4-Dichlorobenzene-8260	75	75	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	None	None	0.06	0.06	0.12
Dichlorodifluoromethane	- -	1400	0.04	0.04	0.05	0.04	0.09	0.04	3.96	3.80	A6R (bkd)	A6R (bkd)	0.04	0.04	0.08
Dichlorofluoromethane	- -	- -	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.10	None	None	0.10	0.10	0.2
1,1-Dichloroethane	- -	- -	0.05	0.05	0.05	0.05	0.06	0.05	2.54	2.50	A6R (bkd)	A6R (bkd)	0.05	0.05	0.09
1,2-Dichloroethane	5	4	0.07	0.06	0.11	0.06	0.07	0.06	0.10	0.06	None	None	0.33	0.06	0.11
1,1-Dichloroethene	7	7	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	None	None	0.02	0.02	0.04
cis-1,2-Dichloroethene	70	70	0.05	0.05	0.23	0.05	0.82	0.63	4.97	4.70	A1,A6R(bkd)	A6R (bkd)	0.05	0.05	0.09
trans-1,2-Dichloroethene	100	100	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.02	None	None	0.02	0.02	0.04
1,2-Dichloropropane	5	5	0.08	0.08	0.08	0.08	0.08	0.08	0.65	0.71	A6R (bkd)	A6R (bkd)	0.08	0.08	0.16
Ethylbenzene	700	700	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.04	None	None	0.04	0.04	0.08
Methyl Ethyl Ketone	- -	- -	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	None	None	2.48	2.48	4.95
Methyl Isobutyl Ketone	- -	- -	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	None	None	0.95	0.95	1.89
Methylene Chloride	5	5	0.03	0.03	0.03	0.03	0.03	0.03	0.54	0.54	A6R (bkd)	A6R (bkd)	3.18	0.03	0.06
Naphthalene	- -	28	0.13	0.13	0.13	0.13	0.13	0.13	0.54	0.13	A6R (bkd)	None	0.13	0.13	0.26
Tetrachloroethene	5	5	0.04	0.04	0.58	0.54	1.55	0.45	0.58	0.54	A1,A6R(bkd)	A1,A6R(bkd)	0.04	0.04	0.08
1,1,1-Trichloroethane	200	200	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02	None	None	0.02	0.02	0.03
Toluene	1000	1000	0.05	0.05	0.07	0.05	0.05	0.05	0.06	0.05	None	None	0.08	0.05	0.1
Trichloroethene	5	5	0.06	0.06	0.17	0.06	0.30	0.06	0.56	0.56	A1,A6R(bkd)	A6R (bkd)	0.06	0.06	0.12
Trichlorofluoromethane	- -	10000	0.07	0.07	0.08	0.07	0.07	0.07	0.07	0.07	None	None	0.07	0.07	0.14
Vinyl Chloride	2	0.15	0.15	0.15	0.15	0.15	0.15	0.15	2.24	1.50	A6R (std)	A6R (bkd)	0.15	0.15	0.3
m+p Xylenes	10000	10000	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.07	None	None	0.07	0.07	0.14
o-Xylene	10000	10000	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	None	None	0.03	0.04	0.07
			n= 24		n= 26		n= 14		n= 11				n= 3		
1,2-Dichlorobenzene-8270	600	600	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	None	None	0.53	0.53	1.07
1,4-Dichlorobenzene-8270	75	75	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	None	None	0.64	0.64	1.27
Diethylphthalate	- -	5600	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	None	None	0.37	0.37	0.73
Di-n-butylphthalate	- -	2700	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	None	None	0.29	0.29	0.57
Di-n-octylphthalate	- -	- -	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	None	None	0.41	0.41	0.82
bis(2-ethylhexyl)phthalate	6	6	0.39	0.39	0.56	0.39	1.48	0.39	1.80	0.39	A5,A6R(bkd)	None	0.39	0.39	0.77
Acenaphthene	- -	420	0.29	0.29	0.29	0.29	0.29	0.29	0.36	0.29	None	None	0.29	0.29	0.58
1-Methylnaphthalene	- -	- -	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	None	None	0.40	0.40	0.80
2-Methylphenol	- -	- -	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	None	None	0.37	0.37	0.73
4-Methylphenol/3-Methylphenc	- -	- -	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	None	None	0.30	0.30	0.60
Phenol	- -	300	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	None	None	0.34	0.34	0.67
			n= 20		n= 22		n= 13		n= 10				n= 1		
Picloram	500	500	0.087	0.002	0.002	0.002	0.244	0.002	0.030	0.002	None	None	0.002	0.002	0.003
2,4,5-T	50	70	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	None	None	0.002	0.002	0.003
2,4-D	70	70	0.011	0.011	0.011	0.011	0.019	0.011	0.011	0.011	None	None	0.011	0.011	0.023
4-Nitrophenol	- -	56	0.020	0.005	0.005	0.005	0.005	0.005	0.005	0.005	None	None	0.005	0.005	0.009
Dacthal	- -	70	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	None	None	0.0004	0.0004	0.0009
Pentachlorophenol	1	1	0.004	0.004	0.010	0.004	0.004	0.004	0.004	0.004	A1 (bkd)	None	0.004	0.004	0.007

BDL values calculated as equal to one-half the method detection limit (MDL)

TABLE 5-2 (updated 05/25/2006)
SILVER BOW COUNTY -OLD LANDFILL GROUNDWATER DATA SUMMARY
INORGANIC CONSTITUENTS (ug/L)

	STANDARDS														Mean	Median			
	USEPA	MT GW	MBMG-2		BSB-A1		BSB-A5		BSB-A6R		CLK-1		CLK-2		Exceeds	Exceeds	BLANK		LAB
Analyte	MCL*	HHS	Mean	Median	Mean	Median	Mean	Median	Mean	Median	Mean	Median	Mean	Median	Std. or Bkd.	Std. or Bkd.	Mean	Median	MDL
			n=25		n=8		n=4		n=0		n=20		n=19				n=15		
Ag	- -	100	0.1	0.1	0.8	0.1	0.1	0.1	- -	- -	0.4	0.1	0.3	0.1	CLK1,CLK2(bkd)	None	1.0	0.1	0.21
As	50	20	2	2	2	2	3	2	- -	- -	75	89	2	2	CLK1 (std)	CLK1 (std)	1	1	0.11
Ba	2,000	2,000	140	138	88	79	26	27	- -	- -	33	32	29	29	None	None	1	0	1
Be	4	4	0.3	0.1	0.5	0.6	0.2	0.1	- -	- -	0.4	0.4	0.1	0.1	CLK1(bkd)	CLK1(bkd)	0.2	0.1	0.07
Cd	5	5	0.2	0.1	0.2	0.2	0.0	0.0	- -	- -	8.4	7.2	0.4	0.2	CLK1(std),CLK2(bkd)	CLK1 (std)	0.03	0.03	0.05
Co	- -	- -	4	4	4	4	4	4	- -	- -	78	76	4	4	CLK1 (bkd)	CLK1 (bkd)	4	4	8.5
Cr	100	100	4	4	5	4	4	4	- -	- -	40	8	4	4	CLK1 (bkd)	CLK1 (bkd)	5	4	10
Cu	1,300(a)	1,300	2	2	2	2	2	2	- -	- -	5	2	3	2	CLK1,CLK2 (bkd)	None	2	2	1.3
Fe	- -	300	150	9	25	22	36	36	- -	- -	21,629	23,200	256	9	CLK1(std)CLK2(bkd)	CLK1 (std)	11	9	10
Hg	2	2	0.06	0.05	0.09	0.05	0.10	0.07	- -	- -	0.06	0.05	0.11	0.05	None	None	0.06	0.05	0.11
Ni	- -	100	7	7	7	7	7	7	- -	- -	131	7	15	7	CLK1(std),CLK2(bkd)	None	7	7	13.3
Pb	15(a)	15	0.7	0.5	0.8	0.5	0.8	0.5	- -	- -	1.2	0.5	1.0	0.5	CLK1,CLK2 (bkd)	None	0.5	0.5	0.10
Sb	6	6	2	1	3	1	2	2	- -	- -	21	1	1	1	CLK1 (std)	None	3	1	0.1
Se	50	50	1.0	0.4	0.6	0.4	0.4	0.4	- -	- -	2.0	0.4	1.6	0.4	CLK1,2 (bkd)	None	0.4	0.4	0.53
Tl	2	2	1	1	4	5	3	1	- -	- -	1	1	1	1	None	None	1	1	0.04
V	- -	- -	8	8	3	3	3	3	- -	- -	5	3	3	3	None	None	2	3	2.1
Zn	- -	2,000	14	5	12	12	14	12	- -	- -	101,000	101,000	343	180	CLK1(std)CLK2(bkd)	CLK1(std)CLK2(bkd)	8	5	5.3
			n=25		n=27		n=14		n=11		n=17		n=18				n=0		
Chloride	250,000(s)	- -	57,608	57,000	17,107	17,000	24,807	22,000	54,600	55,000	35,259	34,500	57,228	62,000	None	CLK2 (bkd)	- -	- -	5000
Sulfate	250,000(s)	- -	151,880	144,000	99,104	92,600	555,133	547,000	2,335,000	2,210,000	1,776,000	1,670,000	845,333	820,500	A6R,C1,2 (std)	A6R,C1,2 (std)	- -	- -	5000
Nitrate	10,000	10,000	7,443	6,800	626	560	2,402	2,495	52	25	- -	- -	- -	- -	None	None	- -	- -	50
COD	- -	- -	42,084	16,500	35,441	21,000	65,586	20,000	367,764	39,700	- -	- -	- -	- -	,A6R (bkd)	A1,A6R (bkd)	- -	- -	5000
SC	- -	- -	764	763	492	472	1,113	1,140	3,353	3,050	2,732	2,770	1,809	1,825	A6R,C1,2(bkd)	A6R,C1,2(bkd)	- -	- -	- -

* MCL definitions: a = action level, not a MCL; s = secondary MCL (asthetics)
BDL values calculated as equal to one half the method detection limit (MDL)

TABLE 5-2 (updated 05/28/2003)

SILVER BOW COUNTY - OLD LANDFILL GROUNDWATER DATA SUMMARY

INORGANIC CONSTITUENTS (ug/L)

| | MW-2 | | | MW-3 | | | MW-4 | | | MW-5 | | | MW-6 | | | MW-7 | | | MW-8 | | | MW-9 | | | MW-10 | | | MW-11 | | |

TABLE I: ANALYTICAL DATA FOR GROUNDWATER SAMPLES, OLD SILVER BOW COUNTY LANDFILL
DATE SAMPLED: March, 16 2006

SAMPLE NUMBER / WELL / ANALYTE (units):	BSB-GW-01 MBMG-2	BSB-GW-02 BSB-A1	BSB-GW-03 BSB-A5	BSB-GW-04 BSB-A6-R	BSB-GW-06 CLK-1	BSB-GW-07 CLK-2	BSB-GW-05 BSB-A6R DUPE	BSB-GW-08 CLK-2 DUPE	BSB-GW-09 Field Blank	GW PROTECTION STANDARDS USEPA MCL*	GW PROTECTION STANDARDS MONTANA HHS	GW PROTECTION STANDARDS USEPA MCL*	GW PROTECTION STANDARDS MONTANA HHS
DISSOLVED METALS (mg/L)													
Antimony	0.00051	NR	NS	NR	0.00039	0.00018		0.00012	0.000064	0.006	0.014	0.006	0.014
Arsenic	0.0017	NR	NS	NR	0.089	0.0016		0.0013	0.00024	0.05	0.018	0.05	0.018
Barium	0.137	NR	NS	NR	0.0242	0.0201		0.0201	< 0.000629	2	1	2	1
Beryllium	0.00004	NR	NS	NR	0.00049	0.000032		0.000032	< 0.000015	0.004	0.040	0.004	0.040
Cadmium	0.00003	NR	NS	NR	0.015	0.00094		0.00090	< 0.000013	0.005	0.005	0.0050	0.0050
Chromium	< 0.0095	NR	NS	NR	< 0.0095	< 0.0095		< 0.0095	< 0.0095	0.1	0.1	0.1	0.1
Cobalt	not reported	NR	NS	NR	not reported	not reported		not reported	not reported	---	---	---	---
Copper	< 0.0016	NR	NS	NR	< 0.016	0.0017		< 0.0016	0.00677	1.3 (a)	1	1.3 (a)	1
Iron	< 0.0137	NR	NS	NR	19.6	< 0.0137		< 0.0137	< 0.0137	0.3 (s)	0.3	0.3	0.3
Lead	0.00020	NR	NS	NR	0.00014	0.00013		0.00016	0.00026	0.015 (a)	0.015	0.015 (a)	0.015
Mercury	< 0.0001	NR	NS	NR	< 0.0001	< 0.0001		< 0.0001	< 0.0001	0.002	0.00014	0.002	0.00014
Nickel	< 0.0145	NR	NS	NR	< 0.1450	0.0335		0.0347	< 0.0145	0.1	0.1	0.1	0.1
Selenium	0.0011	NR	NS	NR	0.00330	0.00240		0.0026	< 0.00018	0.05	0.05	0.05	0.05
Silver	< 0.0005	NR	NS	NR	< 0.0005	< 0.0005		< 0.0005	< 0.0005	0.1 (s)	---	0.1	---
Thallium	< 0.00011	NR	NS	NR	0.00021	0.00013		0.00011	0.00021	0.002	0.0017	0.002	0.0017
Tin	NR	NR	NS	NR	NR	NR		NR	NR				
Vanadium	0.00661	NR	NS	NR	< 0.0031	< 0.0031		< 0.0031	< 0.0031	---	---	---	---
Zinc	0.0115	NR	NS	NR	78.2	0.667		0.661	0.00731	5 (s)	5	5	5
INORGANICS (mg/L)													
Chloride	46	16	NS	59.2	36.4	63.9		66.3	< 0.00006	250 (s)	---	250	---
COD	6.4	12.3	NS	18.3	NR	NR		NR	NR	---	---	---	---
Conductivity (umhos/cm)	763	466	NS	2630	2430	1830		1830	< 0.00035	---	---	---	---
Cyanide	< 0.005	< 0.005	NS	< 0.005	NR	NR		NR	NR	---	---	---	---
Nitrate\Nitrite - N	6.61	0.43	NS	0.06	NR	NR		NR	NR	10	---	10	---
pH	6.90	6.80	NS	6.30	6.20	6.40		6.40	7.4				
Sulfate	144	76.6	NS	1310	1350	792		821	< 0.000053	250 (s)	---	250	---
Sulfide	1.1	< 0.5	NS	0.61	NR	NR		NR	NR				
EPA METHOD 8260 (ug/L)													
Acetone	< 10.0	< 20.0	NS	< 20.0	NR	NR	< 20.0		< 20.0				
Benzene	< 1.0	< 1.0	NS	(ELI 0.38 J)< 1.0	NR	NR	(ELI 0.34 J)< 1.0		< 1.0				
Carbon Disulfide	< 3.0	< 1.0	NS	< 1.0	NR	NR	< 1.0		< 1.0	---	---	---	---
Chloroethane	< 1.0	< 1.0	NS	< 1.0	NR	NR	< 1.0		< 1.0				
Chloroform	< 1.0	< 1.0	NS	< 1.0	NR	NR	< 1.0		< 1.0	---	57	---	57
Chlormethane	< 1.0	< 1.0	NS	< 1.0	NR	NR	< 1.0		< 1.0				
Dichlorodiflouromethane	< 1.0	< 1.0	NS	3.9	NR	NR	3.8		< 1.0				
1,1-Dichloroethane	< 1.0	< 1.0	NS	2.5	NR	NR	2.5		< 1.0				
1,2-Dichloroethane	< 1.0	< 1.0	NS	< 1.0	NR	NR	< 1.0		< 1.0				
cis-1,2-Dichloroethene	< 1.0	(ELI 0.70J)< 1.0	NS	2.2	NR	NR	2.3		< 1.0	70	70	70	70
1,2-Dichloropropane	< 1.0	< 1.0	NS	(ELI 0.72 J)< 1.0	NR	NR	(ELI 0.70 J)< 1.0		< 1.0				
4-Isopropyltoluene	< 1.0	NR	NS	NR	NR	NR	NR		< 1.0				
Methylene Chloride	< 1.0	< 1.0	NS	(ELI 0.56 J)< 1.0	NR	NR	(ELI 0.58 J)< 1.0		< 1.0				
Naphthalene	< 1.0	< 1.0	NS	< 1.0	NR	NR	< 1.0		< 1.0				
Tetrachloroethene	< 1.0	(ELI 0.48J)< 1.0	NS	(ELI 0.48J)< 1.0	NR	NR	(ELI 0.46J)< 1.0		< 1.0	5	8	5	8
Trichloroethene	< 1.0	(ELI 0.23J)< 1.0	NS	(ELI 0.27 J)< 1.0	NR	NR	(ELI 0.29 J)< 1.0		< 1.0				
1,2,4-Trimethylbenzene	< 1.0	< 1.0	NS	< 1.0	NR	NR	< 1.0		< 1.0				
Vinyl Chloride	< 1.0	< 1.0	NS	1.2	NR	NR	1.3		< 1.0				
EPA METHOD 8270 (ug/L)													
bis(2-ethylhexyl)Phthalate	< 10	< 10	NS	< 10	NR	NR	< 10		< 10				
EPA METHOD 8151 (ug/L)	ND	ND	NS	ND	NR	NR	ND		ND				
EPA METHOD 8081 (ug/L)	ND	ND	NS	ND	NR	NR	ND		ND				

* MCL definitions: a = action level, not an MCL; s = secondary MCL (aesthetics)
NA = Not enough sample available for analysis
NR = Analysis Not Requested
ND = Analyte Not Detected
J = Estimated Quantity. Analyte present, but less than the practical quantitation limit (PQL).
NS= Sample Not Collected (Frozen Well-CLK-1)
SA = Sample Not Taken

Bolded values are above the MCL, Italicized bold values are above the State HHS.

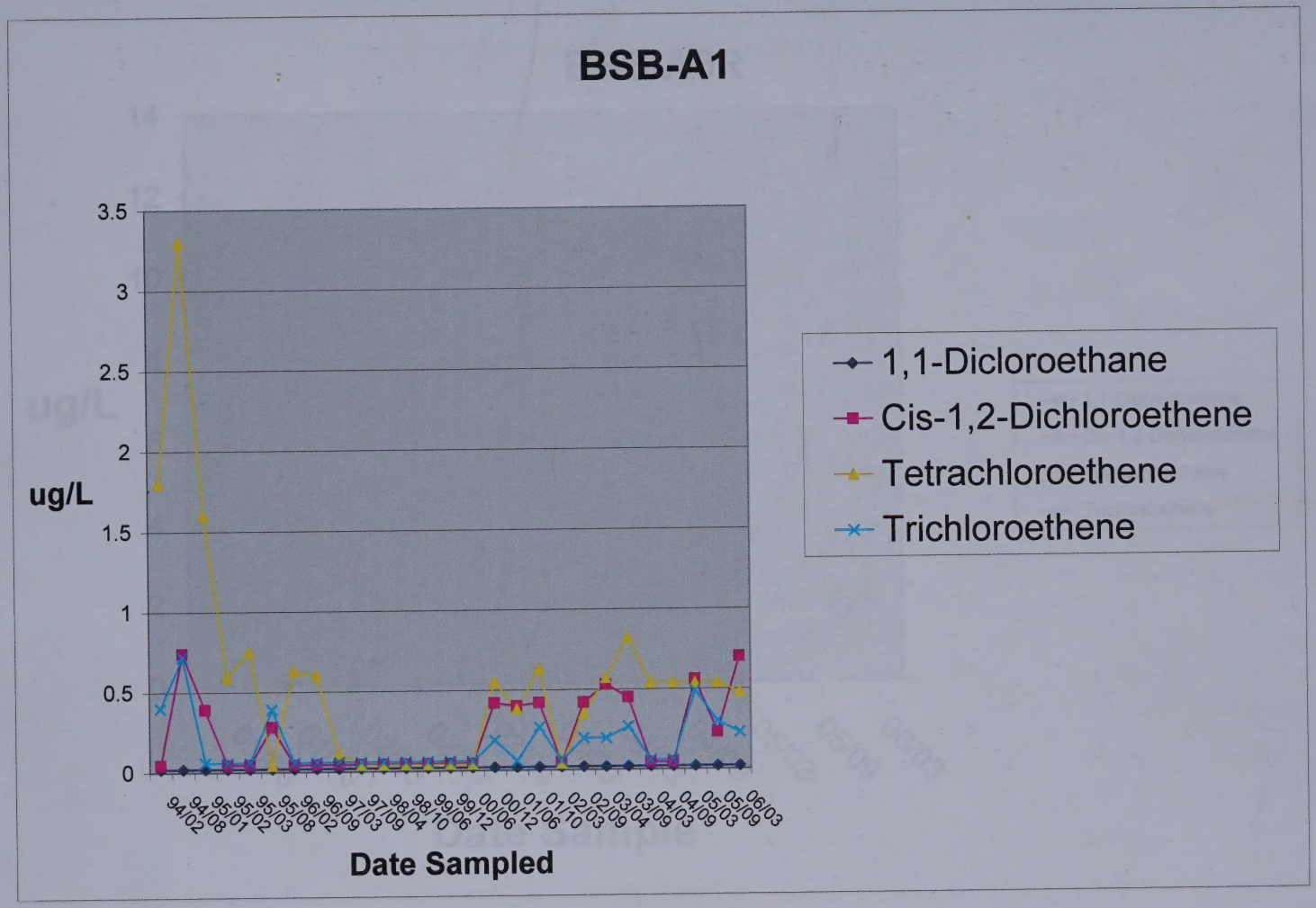
Old Butte-Silver Bow County Landfill
GROUNDWATER FIELD CHEMISTRY RESULTS AND PURGE VOLUMES
March-06

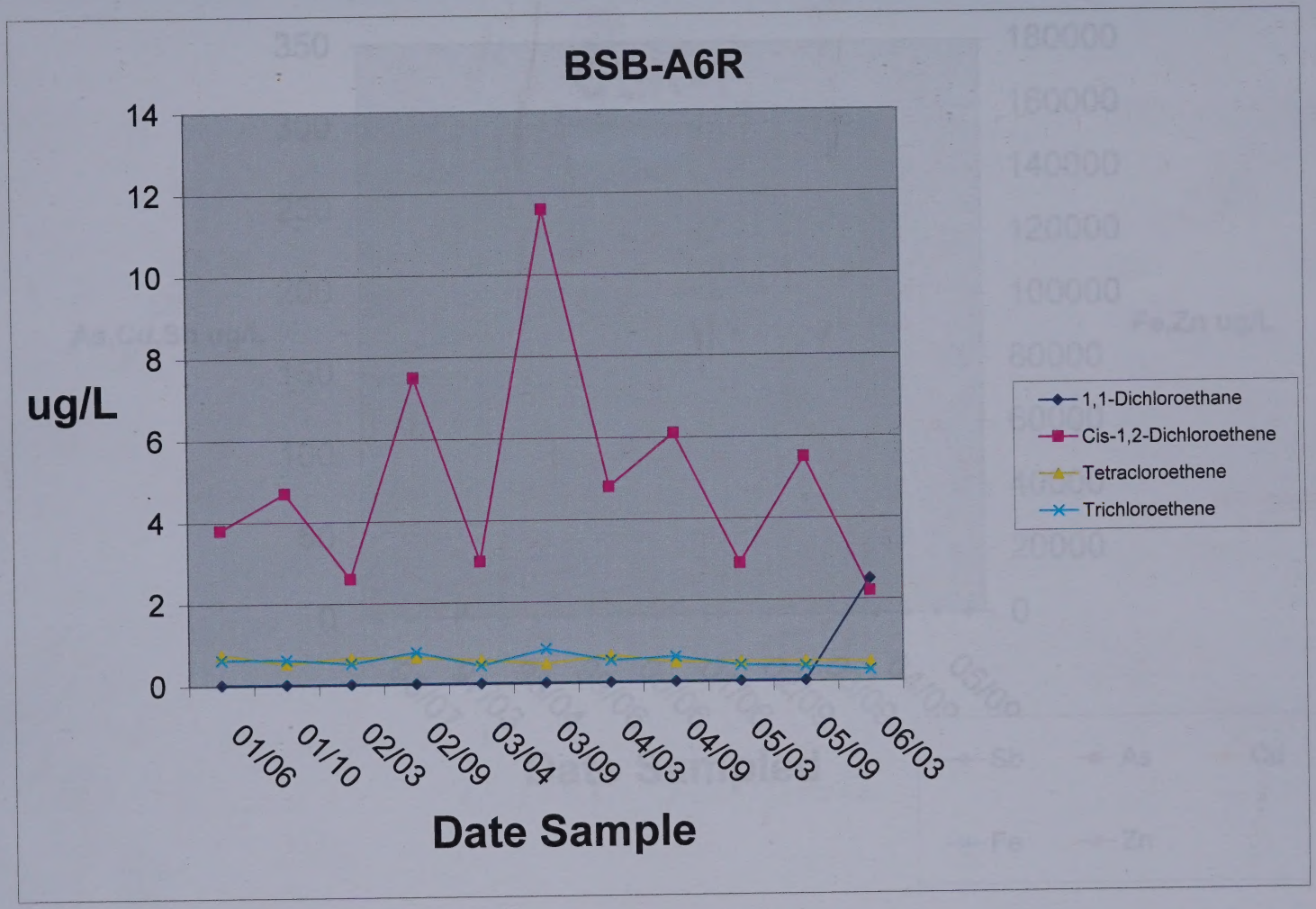
Well I.D.	Sample #	Depth (ft)	Radius (ft)	S.W.L. (ft)	TOC Elevation (ft)	Groundwater Elevation (ft)	pH. (su)	E.h. (mV)	S.C. (uS/cm)	T (Celsius)	Sample Time	H2O Volume Req'd (gal)	H2O Volume Purged (gal)	Comments
MBMG-2	BSB-GW-01	23.25	0.17	11.45	5529.88	5518.43	7.06	25.8	722	8.4	13:30	5.90	6.00	
BSB-A1	BSB-GW-02	57.00	0.17	38.67	5531.50	5492.83	6.64	252.40	461	8.7	11:45	9.17	9.50	
BSB-A5	BSB-GW-03	46.50	0.17	46.50	5524.62	5478.12	SA	SA	SA	SA	SA	0.00	SA	WELL DRY
BSB-A6-R	BSB-GW-04	59.75	0.17	53.68	5554.41	5500.73	6.29	116.20	2000	9.2	12:25	3.04	3.00	
BSB-A6-R	BSB-GW-05	59.75	0.17	53.68	5554.41	5500.73	6.29	116.20	2000	9.2	12:25	3.04	3.00	Duplicate of A6R VOA 8260
CLK-1	BSB-GW-06	19.00	0.17	6.53	5478.73	5472.20	6.04	-29.1	1937	7.1	15:45	6.24	6.25	
CLK-2	BSB-GW-07	46.90	0.17	42.71	5511.17	5468.46	6.25	120.7	1510	9.0	15:10	2.10	2.75	
CLK-2	BSB-GW-08	46.90	0.17	42.71	5511.17	5468.46	6.25	120.7	1510	9.0	15:20	2.10	2.75	Duplicate of CLK-2
Blank	BSB-GW-09	NA	NA	NA	NA	NA	NA	NA	NA	NA	16:15	NA	NA	Field Blank

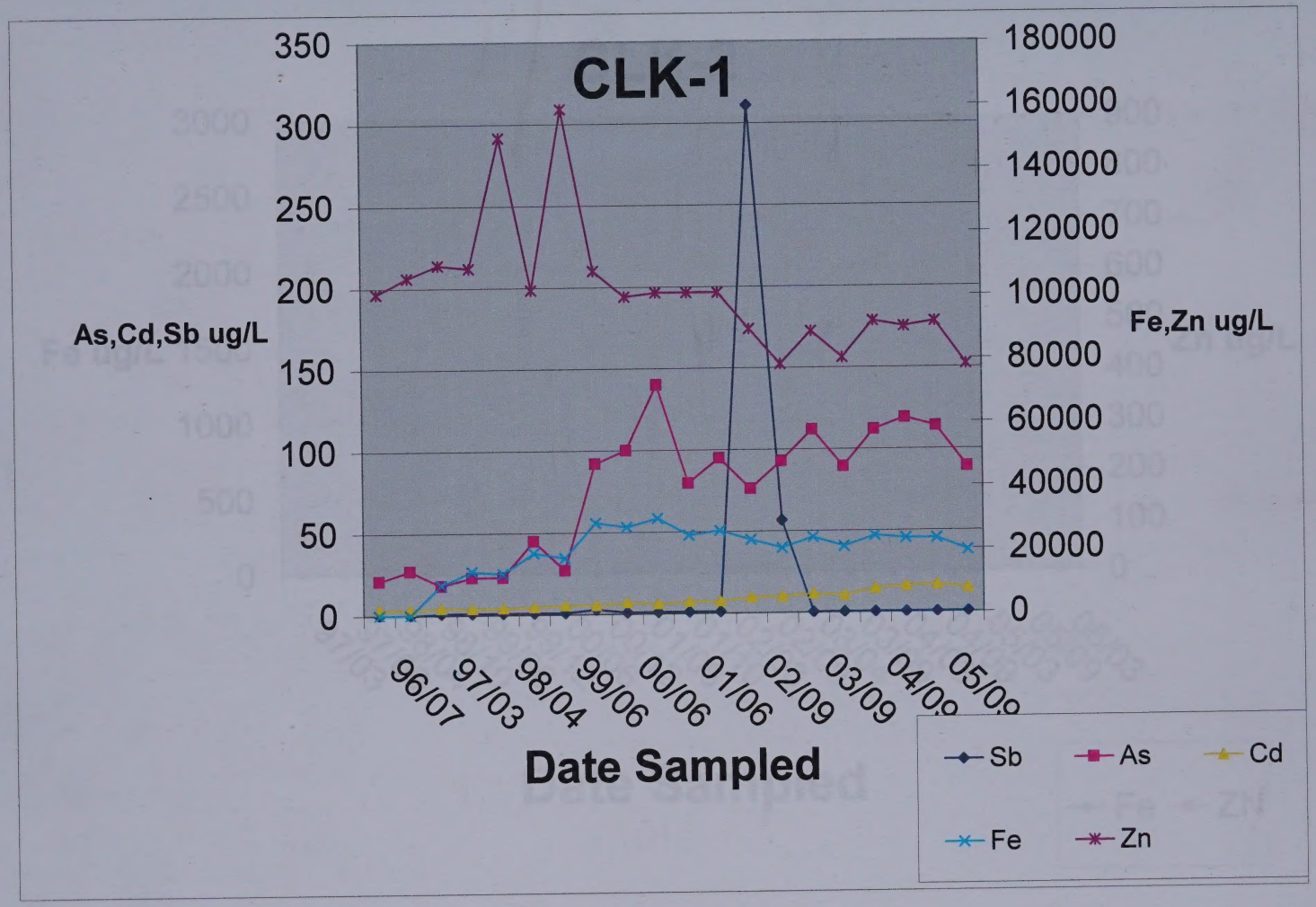
KEY:

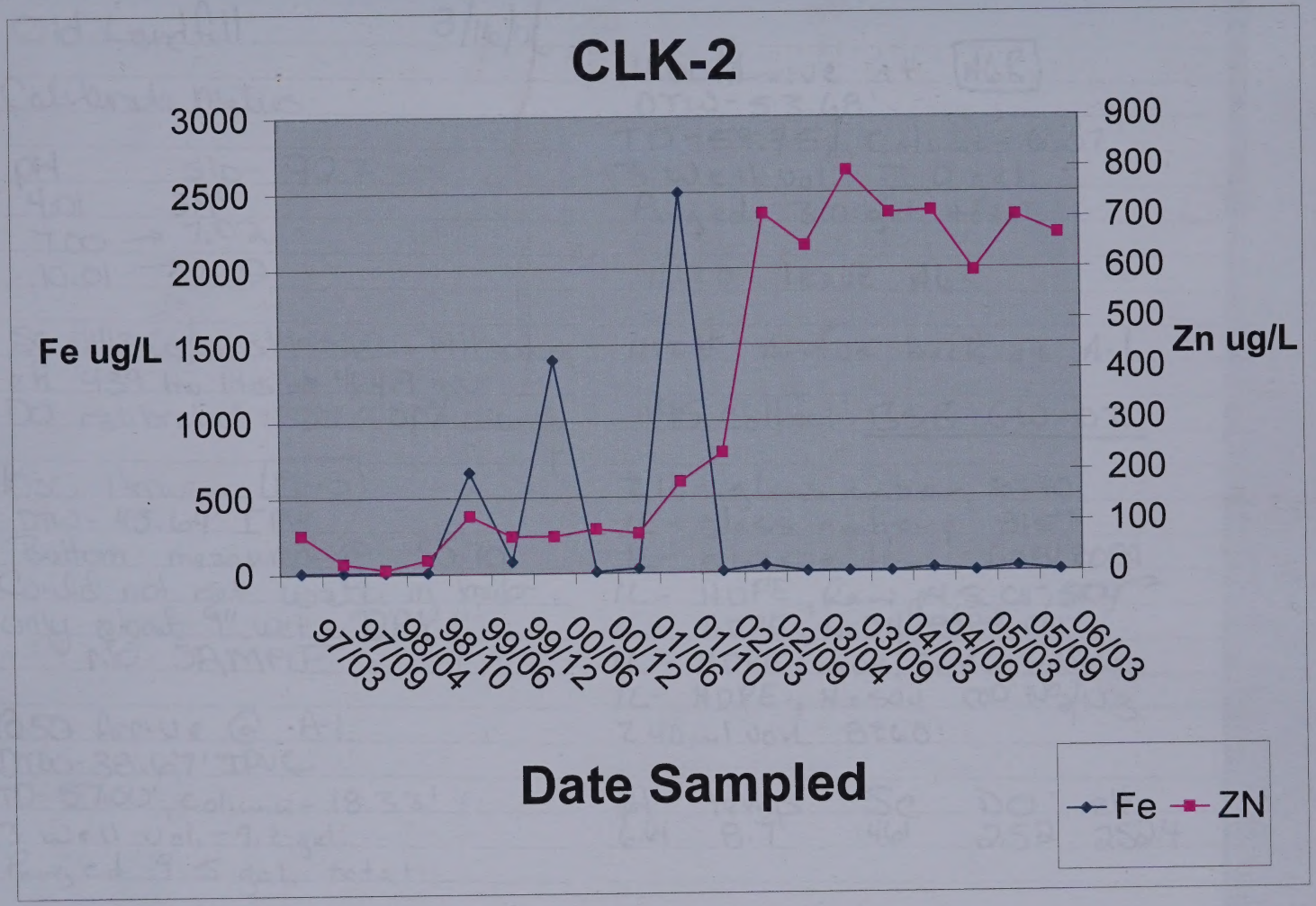
NA Measurement Not Taken

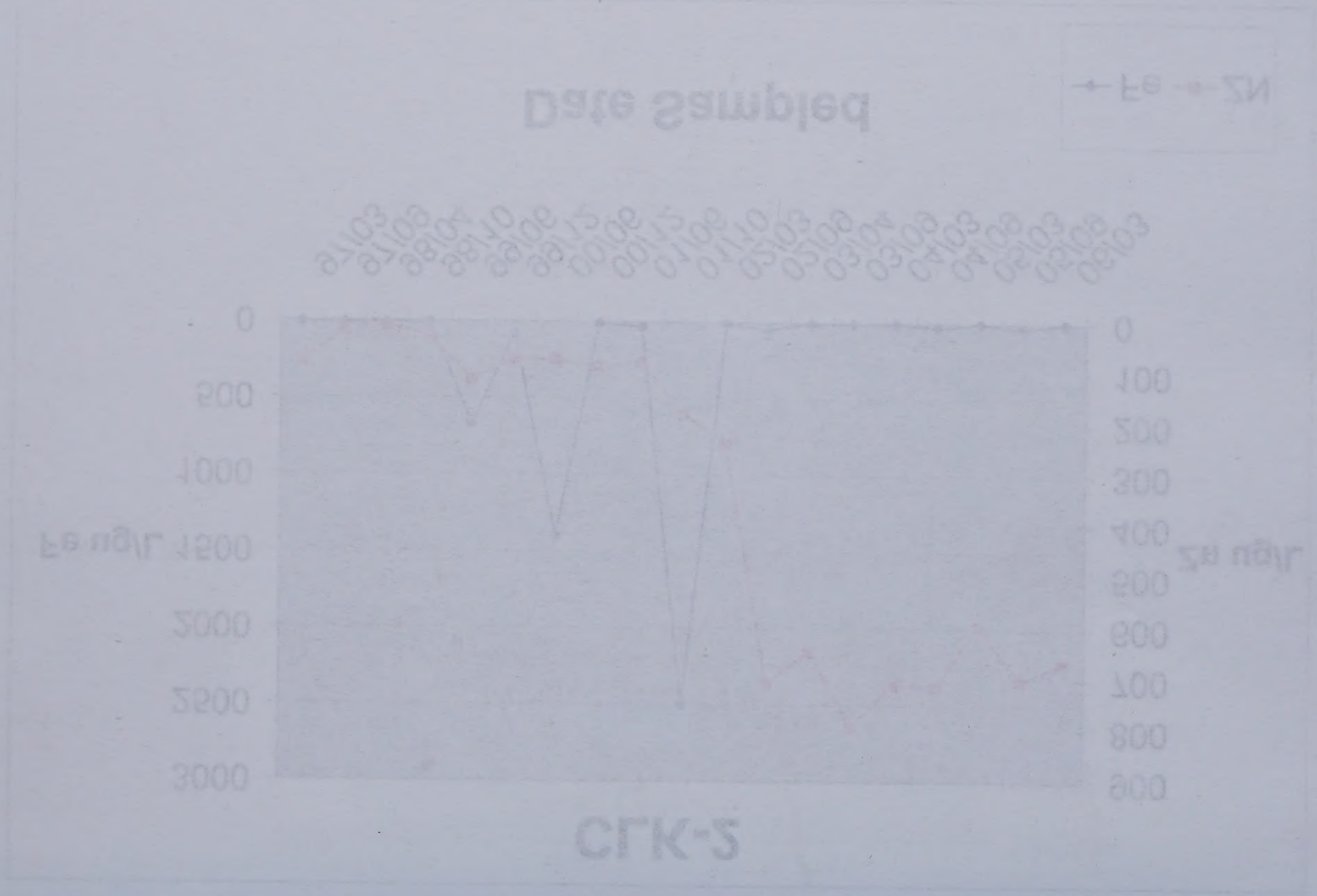
SA Sample Not Taken


BSB-A1
ug/L
3.5
3
2.5
2
1.5
1
0.5
0
94/02
94/08
95/01
95/02
95/03
95/08
96/02
96/09
97/03
97/09
98/04
98/10
99/06
99/12
00/06
00/12
01/06
01/10
02/03
02/09
03/04
03/09
04/03
04/09
05/03
05/09
06/03
Date Sampled
1,1-Dicloroethane
Cis-1,2-Dichloroethene
Tetrachloroethene
Trichloroethene


BSB-A6R
ug/L
14
12
10
8
6
4
2
0
01/06
01/10
02/03
02/09
03/04
03/09
04/03
04/09
05/03
05/09
06/03
Date Sample
1,1-Dichloroethane
Cis-1,2-Dichloroethene
Tetracloroethene
Trichloroethene


CLK-1
As,Cd,Sb ug/L
Fe,Zn ug/L
350
300
250
200
150
100
50
0
180000
160000
140000
120000
100000
80000
60000
40000
20000
0
96/07
97/03
98/04
99/06
00/06
01/06
02/09
03/09
04/09
05/09
Date Sampled
Sb
As
Cd
Fe
Zn


CLK-2
Fe ug/L
Zn ug/L
3000
2500
2000
1500
1000
500
0
900
800
700
600
500
400
300
200
100
0
97/03
97/09
98/04
98/10
99/06
99/12
00/06
00/12
01/06
01/10
02/03
02/09
03/04
03/09
04/03
04/09
05/03
05/09
06/03
Date Sampled
Fe
ZN



Old Landfill 3/16/06

Calibrate Meters

pH slp - 92.7
4.01 3.99
7.00 → 7.02
10.01 → 10.02

SC 1413 us/cm standard → 1411 us/cm
eH 439 mv lito → 464.9 mv
DO calibrated 5200' 00% salinity

1055 Arrive @ A-5
DTW - 45.64' IPVC
Bottom measured @ 45.70'
Could not get water in bailer
- only about 1" wet - DRY
NO SAMPLE

1050 Arrive @ A-1
DTW - 38.67' IPVC
TD - 57.00', column - 18.33'
3 well vol. - 9.2 gal.
Purged 9.5 gal. total

11:00 Arrive at A6R
DTW - 53.68'
TD - 59.75, Column - 6.07'
3 well vol. - 3.0 gal.
Purged 3.0 gal. total.

11:20 leave A6R.

11:25 Arrive back at A-1

11:45 Collect BSB-GW-02

2 1L - glass amber, 8270
1L - glass amber, 8151
1L - glass amber, 608/8081
1L - HDPE, Raw, pH, SC, Cl⁻, SO4⁻²
1L - HDPE, NaOH ~~COPS~~ CN⁻
1L - HDPE, NaOH/ZnAC, Sulfide
1L - HDPE, H2SO4 COD NO2/NO3
2 40ml VOA 8260

pH	temp	SC	DO	eH
6.64	8.7	461	2.52	252.4

1210 Arrive back @ AbR

1225 Collect BSB-GW-04
2 1L-glass, amber, 8270
1 1L-glass, amber, 8151
1 1L-glass, amber 608/8081
1-1L-HDPE, Raw, pH, Sc, Cl⁻, SO_4^{-2}
1-1L-HDPE, Cyanide, NaOH
1-1L-HDPE, NaOH/Zn Ac - Sulfide
1-1L-HDPE, H_2SO_4 - COD, NO_2/NO_3
2-40 ml VOA, HCL 8260

1225 Collect BSB-GW-05
2-40 ml VOA, HCL, 8260
Duplicate of BSB-GW-04

pH	Temp	Sc	DO	eH
6.29	9.2	2.00ms	3.39	~~116.5~~ 116.2

13:00 Arrive at MBMG-2
DTW - 11.45 TPVC
TD - 23.25', Column = 11.8
3 well vol. - 6 gal.
Purged 6 gallons total

13:30 Collect BSB-GW-01

2 1L-glass amber, 8270
1L-glass amber, 8151
1L-glass amber, 608/8081
1L-HDPE, Raw
1L-HDPE, CN^-, NaOH
1L-HDPE, Sulfide, NaOH/ZnAC
1L-HDPE, COD, NO_2/NO_3, H_2SO_4
1L-HDPE, DM, Filt/HNO_3
2 ml VOA 40ml 8260

Temp	pH	SC	DO	EL
8.40	7.06	722	4.58	25.8

13:50 leave MBMG-2, to UPS to ship Energy Samples

GROUND A.R.S. TRACKING NUMBER 1Z E91 029 06 1048 3974 | REF #/ DATE

GROUND A.R.S. TRACKING NUMBER 1Z E91 029 06 1048 4017 | REF #/ DATE

14:55 Arrive at CLK-2
DTW - 42.71', 2" dia.
TD - 46.90'; column - 4.19
3 well vol. - 2 gal.
Total purged 2.75 gallons
1520 Collect BSB-GW-08

1L - Raw, pH, SC, Cl⁻, SO_4^{-2}
1L - Filt/HNO_3, DM

1510 Collect BSB-GW-07

Duplicate of CLK-2

1L - Raw, pH, SC, Cl⁻, SO_4^{-2}
1L - Filt/HNO_3, DM

pH	temp	SC	DO	eH
6.25	9.0	1510	0.91	120.7

1530 Arrive at CLK-1
DTW - 6.53' IRC
TD - 19'; column - 12.47'
3 well Vols - 6.25 gallons
Total purged - 6.25 gal.

1545 Collect BSB-GW-06
1 L - Raw, ph, SC, Cl⁻, SO_4^{-2}
1 L - Filt/HNO_3, DM

pH	temp	SC	DO	eH
~~5.92~~ 6.04	~~7.6~~ 7.1	1937	1.35	-29.1

1600 Leave site for drugs

Meter Recheck

pH 4.01 → 4.08
7.00 → 7.05
10.01 → 10.04
SC 1413 us/cm → 1423 us/cm
Eh - 439 mv/lites → 496.6 mV

1615 Collect BSB-GW-09

~~Col~~ 1-1L Raw for Cl⁻, SO_4^{-2}, ph, SC
poured DI water directly into bottle
1-1L Filt/HNO_3 for DM
~~pour~~ ran DI water through peristalic
pump & filter into bottle

Wednesday, April 19, 2006

Analytical Laboratory

SHAWN BISCH
PIONEER TECHNICAL-OLD LANDFILL
P.O. Box 3445
Butte, MT 59701

RE OLD LANDFILL Order No 0603009

Dear SHAWN BISCH:

MSE Analytical Laboratory received 7 sample(s) on 3/17/2006 for the analyses presented in the following report.

Please find enclosed analytical results for the sample(s) received at the HKM Laboratory.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Gary F. Wyss
Laboratory Manager

Enclosure

RECEIVED
JUN 12 2006
Dept. of Enviro. Quality
Waste & Underground
Tank Management Bureau

RECEIVED
4-26-06

Wednesday, April 16, 2008

Analytical Laboratory

SHAWN BISCH
PIONEER TECHNICAL-OLD LANDFILL
P.O. Box 3443
Butte, MT 59701

RE: OLD LANDFILL Order No. 0803009

Dear SHAWN BISCH:

MSE Analytical Laboratory received 7 sample(s) on 3/17/2008 for the analyses presented in the following report.

Please find enclosed analytical results for the sample(s) received at the HCM Laboratory.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Gary F. Wyss
Laboratory Manager

Enclosure

RECEIVED
JUN 12 2008
Dept. of Envtl. Quality
Waste & Underground
Tank Management Bureau

RECEIVED
4-24-08

MSE Analytical Laboratory

Date: *20-Apr-06*

CLIENT: PIONEER TECHNICAL-OLD LANDFIL
Client Sample ID: BSB-GW-02
Lab Order: 0603009
Collection Date: 3/16/2006 11:45:00 AM
Project: OLD LANDFILL
Lab ID: 0603009-001 BSB-A1
Matrix: AQUEOUS

Analyses	Result	MDL	Qual	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY		**E300.0**				Analyst: **AD**
Cl	16.0	0.0810		mg/L	2	3/22/2006
SO4	76.6	0.0530		mg/L	2	3/22/2006
ANIONS BY ION CHROMATOGRAPHY		**E300.0**				Analyst: **MC**
NO2/NO3	0.434	0.0130		mg/L	1	3/17/2006
NO2/NO3	0.434	0.0130		mg/L	1	3/22/2006
CHEMICAL OXYGEN DEMAND - E410.1		**E410.1**				Analyst: **CR**
Chemical Oxygen Demand	12.3	0		mg/L	1	4/7/2006
PH MEASUREMENT-WATER		**E150.1**				Analyst: **WH**
pH	6.8	0.084		SU	1	3/17/2006
CONDUCTIVITY		**A2510B**				Analyst: **WH**
Specific Conductivity	466	0.349		µmhos/cm	1	3/17/2006
SULFIDE IN WATER		**A4500-S2-D**				Analyst: **CR**
S2-	ND	0.49		mg/L	1	4/3/2006
TOTAL CYANIDE BY DISTILLATION		**E335.2**				Analyst: **CR**
Cyanide, Total	1.7	1.4	J	µg/L	1	3/30/2006

Review

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	X	Value exceeds Maximum Contaminant Level

MSE Analytical Laboratory

Date: 20-Apr-06

CLIENT: PIONEER TECHNICAL-OLD LANDFILL
Lab Order: 0602009
Project: O.D LANDFILL
Lab ID: 0602009-001

Client Sample ID: 03E-3W-02
Collection Date: 3/16/2006 11:45:00 AM
Matrix: AQUEOUS

BRE-A1

Analyses	Result	MDL	Qual	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY		E300.0				Analyst: AD
Cl	18.0	0.0810		mg/L	2	3/23/2006
SO4	28.0	0.0630		mg/L	2	3/23/2006
ANIONS BY ION CHROMATOGRAPHY		E300.0				Analyst: MC
NO2NO3	0.414	0.0130		mg/L	1	3/17/2006
NO3NO3	0.434	0.0130		mg/L	1	3/23/2006
CHEMICAL OXYGEN DEMAND - EXAM 1		E410.1				Analyst: CR
Chemical Oxygen Demand	12.3	6		mg/L	1	4/17/2006
PH MEASUREMENT-WATER		E150.1				Analyst: WH
pH	7.8	0.094		SU	1	3/17/2006
CONDUCTIVITY		A2510B				Analyst: WH
Specific Conductivity	499	0.346		µmhos/cm	1	3/17/2006
SULFIDE IN WATER		A4500-S2-D				Analyst: CR
S2-	ND	0.49		mg/L	1	4/3/2006
TOTAL CYANIDE BY DISTILLATION		E335.2				Analyst: CR
Cyanide, Total	1.7	1.4		ug/L	1	3/24/2006

Qualifiers:

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
S Spike Recovery outside accepted recovery limits
R Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
X Value exceeds Maximum Contaminant Level

Data Review

MSE Analytical Laboratory

Date: *20-Apr-06*

CLIENT: PIONEER TECHNICAL-OLD LANDFIL
Client Sample ID: BSB-GW-04
Lab Order: 0603009
Collection Date: 3/16/2006 12:25:00 PM
Project: OLD LANDFILL
Lab ID: 0603009-002 BSB-AG-R
Matrix: AQUEOUS

Analyses	Result	MDL	Qual	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY		**E300.0**				Analyst: **AD**
Cl	59.2	0.0810	E	mg/L	5	3/22/2006
SO4	1310	0.0530	EX	mg/L	20	3/22/2006
ANIONS BY ION CHROMATOGRAPHY		**E300.0**				Analyst: **MC**
NO2/NO3	0.0605	0.0130		mg/L	1	3/17/2006
NO2/NO3	0.0610	0.0130		mg/L	1	3/22/2006
CHEMICAL OXYGEN DEMAND - E410.1		**E410.1**				Analyst: **CR**
Chemical Oxygen Demand	18.3	0		mg/L	1	4/7/2006
PH MEASUREMENT-WATER		**E150.1**				Analyst: **WH**
pH	6.3	0.084		SU	1	3/17/2006
CONDUCTIVITY		**A2510B**				Analyst: **WH**
Specific Conductivity	2630	0.349		µmhos/cm	1	3/17/2006
SULFIDE IN WATER		**A4500-S2-D**				Analyst: **CR**
S2-	0.61	0.49		mg/L	1	4/3/2006
TOTAL CYANIDE BY DISTILLATION		**E335.2**				Analyst: **CR**
Cyanide, Total	4.7	1.4	J	µg/L	1	3/30/2006

MM **Review**

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	X	Value exceeds Maximum Contaminant Level

MSE Analytical Laboratory

Date: 20-Nov-06

CLIENT: PIONEER TECHNICAL-OLD LANDFILL
Lab Order: 0602009
Project: OLD LANDFILL
Lab ID: 0602009-002

Client Sample ID: 2SB-OW-06
Collection Date: 8/16/2006 12:25:00 PM

Matrix: AQUEOUS

Analysis	Result	MDL	Qual	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY						Analyst: AD
Cl	0.82	0.0610	E	mg/L	5	8/23/2006
SO4	1310	5.0510	M	mg/L	25	8/23/2006
ANIONS BY ION CHROMATOGRAPHY						Analyst: MC
NO2/NO3	0.0505	0.0170		mg/L	1	8/17/2006
NO2/NO3	0.0610	0.0170		mg/L	1	8/23/2006
CHEMICAL OXYGEN DEMAND - E410.1						Analyst: CR
Chemical Oxygen Demand	18.2	10		mg/L	1	9/7/2006
PH MEASUREMENT-WATER						Analyst: WH
pH	8.3	0.094		SU	1	9/11/2006
CONDUCTIVITY						Analyst: WH
Specific Conductivity	7930	0.340		umhos/cm	1	9/11/2006
SULFIDE IN WATER						Analyst: CR
S2-	0.61	0.48		mg/L	1	8/30/2006
TOTAL CYANIDE BY DISTILLATION						Analyst: CR
Cyanide, Total	0.7	1.4	E	mg/L	1	9/20/2006

Qualifiers:
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Reported concentration may be underestimated due to matrix interference
S Spike Recovery outside accepted recovery limits
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
X Value exceeds Maximum Contaminant Level

Lab Lyt Review

MSE Analytical Laboratory

Date: *20-Apr-06*

CLIENT: PIONEER TECHNICAL-OLD LANDFIL
Client Sample ID: BSB-GW-01
Lab Order: 0603009
Collection Date: 3/16/2006 1:30:00 PM
Project: OLD LANDFILL
Lab ID: 0603009-003 MBMG-2
Matrix: AQUEOUS

Analyses	Result	MDL	Qual	Units	DF	Date Analyzed
ICP-AES METALS, DISSOLVED/DIRECT		**E200.7**				Analyst: **CR**
Barium	137	0.629		µg/L	1	4/17/2006
Chromium	ND	9.49		µg/L	1	4/17/2006
Copper	ND	1.63		µg/L	1	4/17/2006
Iron	ND	13.7		µg/L	1	4/17/2006
Nickel	ND	14.5		µg/L	1	4/17/2006
Vanadium	8.61	3.06		µg/L	1	4/17/2006
Zinc	11.5	6.62		µg/L	1	4/17/2006
ICP-MS METALS, DISSOLVED/DIRECT		**E200.8**				Analyst: **SW**
Antimony	0.51	0.014		µg/L	1	3/22/2006
Arsenic	1.7	0.044		µg/L	1	3/22/2006
Beryllium	0.040	0.015		µg/L	1	3/22/2006
Cadmium	0.032	0.013		µg/L	1	3/22/2006
Lead	0.20	0.0070		µg/L	1	3/22/2006
Selenium	1.1	0.18		µg/L	1	3/22/2006
Silver	ND	0.50		µg/L	1	3/22/2006
Thallium	0.11	0.055		µg/L	1	3/22/2006
MERCURY IN DRINKING WATER - PPB		**E245.1**				Analyst: **KJ**
Mercury	ND	0.100		µg/L	1	4/4/2006
ANIONS BY ION CHROMATOGRAPHY		**E300.0**				Analyst: **AD**
Cl	46.4	0.0810		mg/L	3.3	3/22/2006
SO4	144	0.0530	E	mg/L	3.3	3/22/2006
ANIONS BY ION CHROMATOGRAPHY		**E300.0**				Analyst: **MC**
NO2/NO3	6.61	0.0130		mg/L	1	3/17/2006
NO2/NO3	6.61	0.0130		mg/L	1	3/22/2006
CHEMICAL OXYGEN DEMAND - E410.1		**E410.1**				Analyst: **CR**
Chemical Oxygen Demand	6.40	0	J	mg/L	1	4/7/2006
PH MEASUREMENT-WATER		**E150.1**				Analyst: **WH**
pH	6.9	0.084		SU	1	3/17/2006
CONDUCTIVITY		**A2510B**				Analyst: **WH**
Specific Conductivity	763	0.349		µmhos/cm	1	3/17/2006
SULFIDE IN WATER		**A4500-S2-D**				Analyst: **CR**
S2-	1.1	0.49		mg/L	1	4/3/2006

hm **Review**

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	X	Value exceeds Maximum Contaminant Level

MSE Analytical Laboratory

Date: 20-Apr-06

CLIENT: PIONEER TECHNICAL OLD LANDFIL
Client Sample ID: DSB-GW-01
Lab Order: 0603009
Collection Date: 3/16/2006 1:30:00 PM
Project: OLD LANDFILL
Lab ID: 0603009-003
Matrix: AQUEOUS

Analyses	Result	MDL	Qual	Units	DF	Date Analyzed
ICP-AES METALS, DISSOLVED/DIRECT		E200.7				Analyst: CR
Barium	127	0.629		ug/L	1	4/17/2006
Chromium	ND	0.40		ug/L	1	4/17/2006
Copper	ND	1.63		ug/L	1	4/17/2006
Iron	ND	13.7		ug/L	1	4/17/2006
Nickel	ND	14.5		ug/L	1	4/17/2006
Vanadium	8.61	3.06		ug/L	1	4/17/2006
Zinc	11.5	6.62		ug/L	1	4/17/2006
ICP-MS METALS, DISSOLVED/DIRECT		E200.8				Analyst: SW
Antimony	0.81	0.014		ug/L	1	3/22/2006
Arsenic	4.5	0.014		ug/L	1	3/22/2006
Beryllium	2.040	0.015		ug/L	1	3/22/2006
Cadmium	0.032	0.013		ug/L	1	3/22/2006
Lead	0.20	0.0070		ug/L	1	3/22/2006
Selenium	1.1	0.18		ug/L	1	3/22/2006
Silver	ND	0.50		ug/L	1	3/22/2006
Thallium	0.11	0.005		ug/L	1	3/22/2006
MERCURY IN DRINKING WATER - PPB		E245.1				Analyst: KJ
Mercury	ND	0.100		ug/L	1	4/4/2006
ANIONS BY ION CHROMATOGRAPHY		E300.0				Analyst: AD
Cl	33.7	0.0610		mg/L	3.3	3/22/2006
SO4	144	0.0520	8	mg/L	3.3	3/22/2006
ANIONS BY ION CHROMATOGRAPHY		E300.0				Analyst: MC
NO3/NO3	6.41	0.0130		mg/L	1	3/17/2006
NO2/NO2	2.82	0.0130		mg/L	1	3/22/2006
CHEMICAL OXYGEN DEMAND - E410.1		E410.1				Analyst: CR
Chemical Oxygen Demand	8.40	6	1	mg/L	1	4/7/2006
PH MEASUREMENT-WATER		E150.1				Analyst: WH
pH	6.5	0.034		SU	1	3/17/2006
CONDUCTIVITY		A2510B				Analyst: WH
Specific Conductivity	763	0.349		µmhos/cm	1	3/17/2006
SULFIDE IN WATER		A4500-S2-D				Analyst: CR
S2-	7.1	0.40		mg/L	1	4/3/2006

Review

Qualifiers:
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- M Manual integration used to determine area response
- S Spike Recovery outside accepted recovery limits
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not detected at the Reporting Limit
- X Value exceeds Maximum Contaminant Level

MSE Analytical Laboratory

Date: *20-Apr-06*

CLIENT:	PIONEER TECHNICAL-OLD LANDFIL	**Client Sample ID:**	BSB-GW-01
Lab Order:	0603009	**Collection Date:**	3/16/2006 1:30:00 PM
Project:	OLD LANDFILL		
Lab ID:	0603009-003	**Matrix:**	AQUEOUS

Analyses	Result	MDL	Qual	Units	DF	Date Analyzed
TOTAL CYANIDE BY DISTILLATION		**E335.2**				Analyst: **CR**
Cyanide, Total	ND	1.4		µg/L	1	3/30/2006

Review

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	X	Value exceeds Maximum Contaminant Level

MSE Analytical Laboratory

Date: *20-Apr-06*

CLIENT: PIONEER TECHNICAL-OLD LANDFIL
Lab Order: 0603009
Project: OLD LANDFILL
Lab ID: 0603009-004 CLK-1

Client Sample ID: BSB-GW-06
Collection Date: 3/16/2006 3:45:00 PM
Matrix: AQUEOUS

Analyses	Result	MDL	Qual	Units	DF	Date Analyzed
ICP-AES METALS, DISSOLVED/DIRECT		**E200.7**				Analyst: **CR**
Barium	24.2	3.15		µg/L	5	4/17/2006
Chromium	ND	47.4		µg/L	5	4/17/2006
Copper	ND	8.16		µg/L	5	4/17/2006
Iron	19600	68.4	X	µg/L	5	4/17/2006
Nickel	ND	72.3		µg/L	5	4/17/2006
Vanadium	ND	15.3		µg/L	5	4/17/2006
Zinc	78200	33.1	X	µg/L	5	4/17/2006
ICP-MS METALS, DISSOLVED/DIRECT		**E200.8**				Analyst: **SW**
Antimony	0.39	0.014		µg/L	1	3/22/2006
Arsenic	89	0.044	X	µg/L	1	3/22/2006
Beryllium	0.49	0.015		µg/L	1	3/22/2006
Cadmium	15	0.013	X	µg/L	1	3/22/2006
Lead	0.14	0.0070		µg/L	1	3/22/2006
Selenium	3.3	0.18		µg/L	1	3/22/2006
Silver	ND	0.50		µg/L	1	3/22/2006
Thallium	0.21	0.055		µg/L	1	3/22/2006
MERCURY IN DRINKING WATER - PPB		**E245.1**				Analyst: **KJ**
Mercury	ND	0.100		µg/L	1	4/4/2006
ANIONS BY ION CHROMATOGRAPHY		**E300.0**				Analyst: **AD**
Cl	36.4	0.0810		mg/L	10	3/22/2006
SO4	1350	0.0530	EX	mg/L	20	3/22/2006
PH MEASUREMENT-WATER		**E150.1**				Analyst: **WH**
pH	6.2	0.084		SU	1	3/17/2006
CONDUCTIVITY		**A2510B**				Analyst: **WH**
Specific Conductivity	2430	0.349		µmhos/cm	1	3/17/2006

Review

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	X	Value exceeds Maximum Contaminant Level

MSE Analytical Laboratory

Date: 20-Apr-06

CLIENT: PIONEER TECHNICAL-OLD LANDFILL
Lab Order: 060306D
Project: OLD LANDFILL
Lab ID: 060306D-004

Client Sample ID: BS2-GW-06
Collection Date: 3/18/2006 3:45:00 PM

CLIENT

Matrix: AQUEOUS

Analysis	Result	MDL	Qual	Units	DF	Date Analyzed
ICP-AES METALS, DISSOLVED/REC07		E200.7				Analyst: CR
Aluminum	24.2	3.16		ug/L	5	4/17/2006
Chromium	ND	4.74		ug/L	5	4/17/2006
Copper	3.40	8.16		ug/L	5	4/17/2006
Iron	18200	88.4	X	ug/L	5	4/17/2006
Nickel	ND	7.13		ug/L	5	4/17/2006
Vanadium	ND	7.13		ug/L	5	4/17/2006
Zinc	72.20	32.1	X	ug/L	5	4/17/2006
ICP-MS METALS, DISSOLVED/REC07		E200.8				Analyst: SW
Antimony	0.39	0.014		ug/L	1	3/22/2006
Arsenic	88	0.064	X	ug/L	1	3/22/2006
Beryllium	0.48	0.015		ug/L	1	3/22/2006
Cadmium	.45	0.013	X	ug/L	1	3/22/2006
Lead	0.14	0.0010		ug/L	1	3/22/2006
Selenium	2.3	0.34		ug/L	1	3/22/2006
Silver	ND	0.30		ug/L	1	3/22/2006
Thallium	0.21	0.065		ug/L	1	3/22/2006
TURBIDITY IN DRINKING WATER - FPB		E2[illegible]3.1				Analyst: KJ
Turbidity	ND	0.100		ngu	1	4/4/2006
ANIONS BY ION CHROMATOGRAPHY		E300.0				Analyst: AD
Cl	39.4	0.0[illegible]9		mg/L	10	3/22/2006
SO4	1760	0.0650	20	mg/L	20	3/22/2006
FIELD MEASUREMENT-WATER		E150.1				Analyst: NIH
pH	8.2	0.064		S/U	1	3/17/2006
CONDUCTIVITY		A2510B				Analyst: NIH
Specific Conductivity	2400	0.348		umhos/cm	1	3/17/2006

Qualifiers:

B - Analyte detected in the associated Method Blank
H - Holding time for preparation or analysis exceeded
M - Matrix interference prevent accurate analysis
S - Spike Recovery out of acceptable recovery limits
E - Value above quantitation range
I - Value below reporting limit
RD - RD Exceeded in the Analytical Lab
X - Extra peaks in Volatile Chromatogram

Nuna Review

MSE Analytical Laboratory

Date: *20-Apr-06*

CLIENT: PIONEER TECHNICAL-OLD LANDFIL
Lab Order: 0603009
Project: OLD LANDFILL
Lab ID: 0603009-005 CLK-2

Client Sample ID: BSB-GW-07
Collection Date: 3/16/2006 3:10:00 PM
Matrix: AQUEOUS

Analyses	Result	MDL	Qual	Units	DF	Date Analyzed
ICP-AES METALS, DISSOLVED/DIRECT		**E200.7**				Analyst: **CR**
Barium	20.1	0.629		µg/L	1	4/17/2006
Chromium	ND	9.49		µg/L	1	4/17/2006
Copper	1.67	1.63	J	µg/L	1	4/17/2006
Iron	ND	13.7		µg/L	1	4/17/2006
Nickel	33.5	14.5		µg/L	1	4/17/2006
Vanadium	ND	3.06		µg/L	1	4/17/2006
Zinc	667	6.62		µg/L	1	4/17/2006
ICP-MS METALS, DISSOLVED/DIRECT		**E200.8**				Analyst: **SW**
Antimony	0.18	0.014		µg/L	1	3/22/2006
Arsenic	1.6	0.044		µg/L	1	3/22/2006
Beryllium	0.032	0.015		µg/L	1	3/22/2006
Cadmium	0.94	0.013		µg/L	1	3/22/2006
Lead	0.13	0.0070		µg/L	1	3/22/2006
Selenium	2.4	0.18		µg/L	1	3/22/2006
Silver	ND	0.50		µg/L	1	3/22/2006
Thallium	0.13	0.055		µg/L	1	3/22/2006
MERCURY IN DRINKING WATER - PPB		**E245.1**				Analyst: **KJ**
Mercury	ND	0.100		µg/L	1	4/4/2006
ANIONS BY ION CHROMATOGRAPHY		**E300.0**				Analyst: **AD**
Cl	63.9	0.0810	E	mg/L	10	3/22/2006
SO4	792	0.0530	EX	mg/L	10	3/22/2006
PH MEASUREMENT-WATER		**E150.1**				Analyst: **WH**
pH	6.4	0.084		SU	1	3/17/2006
CONDUCTIVITY		**A2510B**				Analyst: **WH**
Specific Conductivity	1830	0.349		µmhos/cm	1	3/17/2006

Review

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	X	Value exceeds Maximum Contaminant Level

MSE Analytical Laboratory

Date: 20-Apr-06

CLIENT: PIONEER TECHNICAL-OLD LANDFILL
Lab Order: 0603008
Project: OLD LANDFILL
Lab ID: 0603008-003

Client Sample ID: BSB-GW-07
Collection Date: 3/16/2006 3:10:00 PM
Matrix: AQUEOUS

Analyses	Result	MDL	Qual	Units	DF	Date Analyzed
ICP/AES METALS, DISSOLVED/DIRECT						Analyst: CR
Barium	50.1	0.021		ug/L	1	4/17/2006
Chromium	2.0	2.48		ug/L	1	4/17/2006
Copper	1.0	1.63		ug/L	1	4/17/2006
Iron	110	13.7		ug/L	1	4/17/2006
Nickel	22.0	1.13		ug/L	1	4/17/2006
Vanadium	1.0	2.05		ug/L	1	4/17/2006
Zinc	3.0	0.32		ug/L	1	4/17/2006
ICP-MS METALS, DISSOLVED/DIRECT						Analyst: BW
Antimony	0.18	0.014		ug/L	1	3/22/2006
Arsenic	1.4	0.044		ug/L	1	3/22/2006
Beryllium	0.022	0.015		ug/L	1	3/22/2006
Cadmium	0.04	0.012		ug/L	1	3/22/2006
Lead	0.13	0.0170		ug/L	1	3/22/2006
Selenium	2.4	0.16		ug/L	1	3/22/2006
Silver	3.0	0.20		ug/L	1	3/22/2006
Thallium	0.12	0.025		ug/L	1	3/22/2006
MERCURY IN DRINKING WATER - PPB						Analyst: KL
Mercury	ND	0.100		ug/L	1	4/4/2006
ANIONS BY ION CHROMATOGRAPHY						Analyst: AD
Cl-	83.3	0.2510	5	mg/L	10	3/22/2006
SO4	701	0.6920	50	mg/L	10	3/22/2006
PH MEASUREMENT-WATER						Analyst: WH
pH	8.4	0.084		SU	1	3/17/2006
CONDUCTIVITY						Analyst: WH
Specific Conductivity	1400	0.318		umhos/cm	1	3/17/2006

Qualifiers:

B Analyte detected in the associated Method Blank
H Analytical holding time was exceeded for analysis performed
M Matrix Interference was noted in the analytical sample matrix
S Spike Recovery outside accepted recovery limits
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Value exceeds Maximum Contaminant Level

Review

MSE Analytical Laboratory

Date: *20-Apr-06*

CLIENT: PIONEER TECHNICAL-OLD LANDFIL
Client Sample ID: BSB-GW-08
Lab Order: 0603009
Collection Date: 3/16/2006 3:20:00 PM
Project: OLD LANDFILL
Lab ID: 0603009-006 CLK-2 Dup
Matrix: AQUEOUS

Analyses	Result	MDL	Qual	Units	DF	Date Analyzed
ICP-AES METALS, DISSOLVED/DIRECT		**E200.7**				Analyst: **CR**
Barium	20.1	0.629		µg/L	1	4/17/2006
Chromium	ND	9.49		µg/L	1	4/17/2006
Copper	ND	1.63		µg/L	1	4/17/2006
Iron	ND	13.7		µg/L	1	4/17/2006
Nickel	34.7	14.5		µg/L	1	4/17/2006
Vanadium	ND	3.06		µg/L	1	4/17/2006
Zinc	661	6.62		µg/L	1	4/17/2006
ICP-MS METALS, DISSOLVED/DIRECT		**E200.8**				Analyst: **SW**
Antimony	0.12	0.014		µg/L	1	3/22/2006
Arsenic	1.3	0.044		µg/L	1	3/22/2006
Beryllium	0.032	0.015		µg/L	1	3/22/2006
Cadmium	0.90	0.013		µg/L	1	3/22/2006
Lead	0.16	0.0070		µg/L	1	3/22/2006
Selenium	2.6	0.18		µg/L	1	3/22/2006
Silver	ND	0.50		µg/L	1	3/22/2006
Thallium	0.11	0.055		µg/L	1	3/22/2006
MERCURY IN DRINKING WATER - PPB		**E245.1**				Analyst: **KJ**
Mercury	ND	0.100		µg/L	1	4/4/2006
ANIONS BY ION CHROMATOGRAPHY		**E300.0**				Analyst: **AD**
Cl	66.3	0.0810	E	mg/L	10	3/22/2006
SO4	821	0.0530	EX	mg/L	10	3/22/2006
PH MEASUREMENT-WATER		**E150.1**				Analyst: **WH**
pH	6.4	0.084		SU	1	3/17/2006
CONDUCTIVITY		**A2510B**				Analyst: **WH**
Specific Conductivity	1830	0.349		µmhos/cm	1	3/17/2006

MM **Review**

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	X	Value exceeds Maximum Contaminant Level

MSE Analytical Laboratory

Date: 20-Apr-06

CLIENT: PIONEER TECHNICAL-OLD LANDFILL
Lab Order: 0604004
Project: OLD LANDFILL
Lab ID: 0604004-004

Client Sample ID: BSH-GW-06
Collection Date: 3/16/2006 3:30:00 PM
Matrix: AQUEOUS

Analyses	Result	MDL	Qual	Units	DF	Date Analyzed
ICP-MS in TAL5, DISSOLVED/DIRECT			**E200.7**			Analyst: CR
Sodium	50.3		0.628	ug/L	1	4/17/2006
Chromium	ND		0.49	ug/L	1	4/17/2006
Copper	ND		1.63	ug/L	1	4/17/2006
Iron	ND		12.7	ug/L	1	4/17/2006
Nickel	54.7		1.18	ug/L	1	4/17/2006
Vanadium	ND		1.00	ug/L	1	4/17/2006
Zinc	9.61		0.67	ug/L	1	4/17/2006
ICP-MS METALS, DISSOLVED/DIRECT			**E200.8**			Analyst: SW
Antimony	0.12		0.074	ug/L	1	3/22/2006
Arsenic	1.3		0.044	ug/L	1	3/22/2006
Beryllium	0.002		0.019	ug/L	1	3/24/2006
Cadmium	0.50		0.013	ug/L	1	3/22/2006
Lead	0.18		0.0070	ug/L	1	3/22/2006
Selenium	2.6		0.16	ug/L	1	3/22/2006
Silver	ND		0.30	ug/L	1	3/22/2006
Thallium	0.11		0.053	ug/L	1	3/22/2006
MERCURY in DRINKING WATER - PPB			**E245.1**			Analyst: CJ
Mercury	ND		0.100	ug/L	1	4/4/2006
ANIONS BY ION CHROMATOGRAPHY			**E300.0**			Analyst: AD
Cl	58.3		0.0510	mg/L	10	3/22/2006
SO_4	8.6		0.0830	mg/L	10	3/22/2006
pH MEASUREMENT-WATER			**E150.1**			Analyst: WH
pH	7.4		0.100	SU	1	3/17/2006
CONDUCTIVITY			**E120.1**			Analyst: WH
Specific Conductivity	530		0.350	µmhos/cm	1	3/17/2006

Qualifiers:
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Matrix Interference noted in laboratory fortified control
S Spike Recovery outside laboratory control limits
X Value exceeds Maximum Contaminant Level
Z Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R Value exceeds Maximum Contaminant Level

Lab Qual: Review

MSE Analytical Laboratory

Date: *20-Apr-06*

CLIENT: PIONEER TECHNICAL-OLD LANDFIL
Client Sample ID: BSB-GW-09
Lab Order: 0603009
Collection Date: 3/16/2006 4:15:00 PM
Project: OLD LANDFILL
Lab ID: 0603009-007 Field Blank
Matrix: AQUEOUS

Analyses	Result	MDL	Qual	Units	DF	Date Analyzed
ICP-AES METALS, DISSOLVED/DIRECT		**E200.7**				Analyst: **CR**
Barium	ND	0.629		µg/L	1	4/17/2006
Chromium	ND	9.49		µg/L	1	4/17/2006
Copper	6.77	1.63		µg/L	1	4/17/2006
Iron	ND	13.7		µg/L	1	4/17/2006
Nickel	ND	14.5		µg/L	1	4/17/2006
Vanadium	ND	3.06		µg/L	1	4/17/2006
Zinc	7.31	6.62	J	µg/L	1	4/17/2006
ICP-MS METALS, DISSOLVED/DIRECT		**E200.8**				Analyst: **SW**
Antimony	0.064	0.014		µg/L	1	3/22/2006
Arsenic	0.24	0.044		µg/L	1	3/22/2006
Beryllium	ND	0.015		µg/L	1	3/22/2006
Cadmium	ND	0.013		µg/L	1	3/22/2006
Lead	0.26	0.0070		µg/L	1	3/22/2006
Selenium	ND	0.18		µg/L	1	3/22/2006
Silver	ND	0.50		µg/L	1	3/22/2006
Thallium	0.21	0.055		µg/L	1	3/22/2006
MERCURY IN DRINKING WATER - PPB		**E245.1**				Analyst: **KJ**
Mercury	ND	0.100		µg/L	1	4/4/2006
ANIONS BY ION CHROMATOGRAPHY		**E300.0**				Analyst: **AD**
Cl	ND	0.0810		mg/L	1	3/22/2006
SO4	ND	0.0530		mg/L	1	3/22/2006
PH MEASUREMENT-WATER		**E150.1**				Analyst: **WH**
pH	7.4	0.084		SU	1	3/17/2006
CONDUCTIVITY		**A2510B**				Analyst: **WH**
Specific Conductivity	ND	0.349		µmhos/cm	1	3/17/2006

MMr **Review**

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	X	Value exceeds Maximum Contaminant Level

MSE Analytical Laboratory

Date: 20-Jul-06

CLIENT: PRIMEER TECHNOLOGY LIMITED
Lab Order: 0606000
Project: CLD LANDFILL
Lab ID: 0606000-007

Client Sample ID: BGS-GW-03
Collection Date: 3/10/2006 4:15:00 PM

Matrix: AQUEOUS

Analyses	Result	MDL	Qual	Units	DF	Date Analyzed
ICP-AES METALS, DISSOLVED/DIRECT						Analyze: CR
Barium	ND	0.001		ug/L	1	4/17/2006
Chromium	ND	0.01		ug/L	1	4/17/2006
Copper	0.21	1.01		ug/L	1	4/17/2006
Iron	ND	18.7		ug/L	1	4/17/2006
Nickel	ND	3.13		ug/L	1	4/17/2006
Vanadium	ND	3.06		ug/L	1	4/17/2006
Zinc	7.31	0.62	4	ug/L	1	4/17/2006
ICP-MS METALS, DISSOLVED/DIRECT						Analyze: SW
Antimony	0.004	0.004		ug/L	1	3/22/2006
Arsenic	0.24	0.004		ug/L	1	3/22/2006
Beryllium	ND	0.015		ug/L	1	3/22/2006
Cadmium	ND	0.015		ug/L	1	3/22/2006
Lead	0.29	0.0025		ug/L	1	3/22/2006
Selenium	ND	0.16		ug/L	1	3/22/2006
Silver	ND	0.25		ug/L	1	3/22/2006
Thallium	0.21	0.005		ug/L	1	3/22/2006
MERCURY IN DRINKING WATER - PTS						Analyze: TG
Mercury	ND	0.108		ug/L	1	4/4/2006
ANIONS BY ION CHROMATOGRAPHY						Analyze: AO
Cl	ND	0.0610		mg/L	1	3/22/2006
SO_4	ND	0.0200		mg/L	1	3/22/2006
RESIDUAL/NONRESIDUAL WATER						Analyze: WR
pH	7.2	0.100		SU	1	3/17/2006
CONDUCTIVITY						Analyze: WH
Specific Conductivity	ND	0.149		umhos/cm	1	3/17/2006

Qualifiers:
B Analyte detected in the associated Method Blank
H Holding time for preparation or analysis exceeded
M Matrix interference caused by a chemical other than analyte
S Spike recovery outside accepted recovery limits
E Value above calibration range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
X Value exceeds Maximum Contaminant Level

Review:

ENERGY LABORATORIES
ENERGY LABORATORIES, INC. • P.O. Box 30916 • 1120 South 27th Street • Billings, MT 59107-0916
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Dept. of Enviro. Quality
Waste & Underground
Tank Management Bureau

** REPORT **

Pioneer Tehnical Services
Shawn Bisch
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Butte MT 59701

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill
Lab ID: B06031139-001
Client Sample ID: BSB-GW-02

Report Date: 04/07/06
Collection Date: 03/16/06 11:45
Date Received: 03/17/06
Matrix: Ground Water

BSB-A1

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	03/24/06 14:42 / sbd
Acetonitrile	ND	ug/L		20		SW8260B	03/24/06 14:42 / sbd
Acrolein	ND	ug/L		20		SW8260B	03/24/06 14:42 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	03/24/06 14:42 / sbd
Allyl chloride	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
Benzene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
Chloroprene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
cis-1,2-Dichloroethene	0.70	ug/L	J	1.0		SW8260B	03/24/06 14:42 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	03/24/06 14:42 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Blue Silver Bow Public Works Dept
Project: 8910 Old Lincoln
Lab ID: BO6021102-001
Client Sample ID: BSB-GW-02

Report Date: 04/07/06
Collection Date: 03/17/06 11:45
Date Received: 03/17/06
Matrix: Ground Water

EPA-41

Analyte	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	03/24/06 14:42 / kbd
Acetonitrile	ND	ug/L		20		SW8260B	03/24/06 14:42 / kbd
Acrolein	ND	ug/L		20		SW8260B	03/24/06 14:42 / kbd
Acrylonitrile	ND	ug/L		20		SW8260B	03/24/06 14:42 / kbd
Allyl alcohol	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
Benzene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
Bromobenzene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
Bromoform	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
Bromomethane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
2-Butanone (MEK)	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
Chloroethane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
Chloroform	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
Chloromethane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
2-Chloroethyl vinyl ether	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
Chloroprene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
1-Chloro-3-butadiene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
cis-1,2-Dichloroethene	0.V1	ug/L	J	1.0		SW8260B	03/24/06 14:42 / kbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
Diethylether	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / kbd
2-Hexanone	ND	ug/L		20		SW8260B	03/24/06 14:42 / kbd

Report Limit (RL) - Analyte reporting limit.
Qualifiers: QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill
Lab ID: B06031139-001
Client Sample ID: BSB-GW-02 BSB-A1

Report Date: 04/07/06
Collection Date: 03/16/06 11:45
Date Received: 03/17/06
Matrix: Ground Water

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Iodomethane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
Isobutanol	ND	ug/L		50		SW8260B	03/24/06 14:42 / sbd
Methacrylonitrile	ND	ug/L		20		SW8260B	03/24/06 14:42 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	03/24/06 14:42 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	03/24/06 14:42 / sbd
Methyl methacrylate	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
Naphthalene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
Pentachloroethane	ND	ug/L		2.0		SW8260B	03/24/06 14:42 / sbd
Propionitrile	ND	ug/L		20		SW8260B	03/24/06 14:42 / sbd
Styrene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
Tetrachloroethene	0.48	ug/L	J	1.0		SW8260B	03/24/06 14:42 / sbd
Toluene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
Trichloroethene	0.23	ug/L	J	1.0		SW8260B	03/24/06 14:42 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	03/24/06 14:42 / sbd
Surr: 1,2-Dichloroethane-d4	96.4	%REC			70-130	SW8260B	03/24/06 14:42 / sbd
Surr: Dibromofluoromethane	99.6	%REC			77-126	SW8260B	03/24/06 14:42 / sbd
Surr: p-Bromofluorobenzene	104	%REC			76-127	SW8260B	03/24/06 14:42 / sbd
Surr: Toluene-d8	99.6	%REC			79-122	SW8260B	03/24/06 14:42 / sbd
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4,5-Tetrachlorobenzene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
1,2-Dichlorobenzene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
1,3,5-Trinitrobenzene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
1,3-Dinitrobenzene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
1,4-Benzenediamine	ND	ug/L	P			SW8270C	03/24/06 17:12 / dsm
1,4-Dichlorobenzene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
1,4-Naphthoquinone	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.

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LABORATORY ANALYTICAL REPORT

Client: Hunt Silver Bow Public Works Dept
Project: SRB CM Lagoon
Lab ID: R0003119-001
Client Sample ID: B38-GW-01

Report Date: 04/07/06
Collection Date: 03/16/06 11:45
Date Received: 03/17/06
Matrix: Ground Water

Analyte	Result	Units	Qual	RL	MCL QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Benzene	ND	ug/L		1.0		SW8260B	03/20/06 14:42 / ebd
Toluene	ND	ug/L		50		SW8260B	03/20/06 14:42 / ebd
Methylcyclohexane	ND	ug/L		20		SW8260B	03/20/06 14:42 / ebd
Ethyl ethyl ketone	ND	ug/L		20		SW8260B	03/20/06 14:42 / ebd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	03/20/06 14:42 / ebd
Methyl methacrylate	ND	ug/L		1.0		SW8260B	03/20/06 14:42 / ebd
Methylene chloride	ND	ug/L		1.0		SW8260B	03/20/06 14:42 / ebd
Naphthalene	ND	ug/L		1.0		SW8260B	03/20/06 14:42 / ebd
Propylbenzene	ND	ug/L		2.0		SW8260B	03/20/06 14:42 / ebd
Styrene	ND	ug/L		1.0		SW8260B	03/20/06 14:42 / ebd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/20/06 14:42 / ebd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/20/06 14:42 / ebd
Tetrachloroethene	0.45	ug/L	J	1.0		SW8260B	03/20/06 14:42 / ebd
Toluene	ND	ug/L		1.0		SW8260B	03/20/06 14:42 / ebd
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	03/20/06 14:42 / ebd
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	03/20/06 14:42 / ebd
1,2,3-Trichloroethane	ND	ug/L		1.0		SW8260B	03/20/06 14:42 / ebd
Trichloroethene	0.23	ug/L	J	1.0		SW8260B	03/20/06 14:42 / ebd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	03/20/06 14:42 / ebd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	03/20/06 14:42 / ebd
Vinyl acetate	ND	ug/L		1.0		SW8260B	03/20/06 14:42 / ebd
Vinyl chloride	ND	ug/L		1.0		SW8260B	03/20/06 14:42 / ebd
m-Xylene	ND	ug/L		1.0		SW8260B	03/20/06 14:42 / ebd
o-Xylene	ND	ug/L		1.0		SW8260B	03/20/06 14:42 / ebd
p-Xylene	ND	ug/L		1.0		SW8260B	03/20/06 14:42 / ebd
Surr: 1,2-Dichloroethane-d4	99.4	%REC		70-130		SW8260B	03/20/06 14:42 / ebd
Surr: Dibromofluoromethane	99.0	%REC		77-130		SW8260B	03/20/06 14:42 / ebd
Surr: p-Bromofluorobenzene	104	%REC		79-121		SW8260B	03/20/06 14:42 / ebd
Surr: Toluene-d8	99.8	%REC		79-122		SW8260B	03/20/06 14:42 / ebd
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4,5-Tetrachlorobenzene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dam
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dam
1,2-Dichlorobenzene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dam
1,2,3-Trichlorobenzene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dam
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dam
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dam
1,4-Dichlorobenzene	ND	ug/L	P	10		SW8270C	03/24/06 17:12 / dam
1,4-Dichlorobenzene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dam
1,4-Naphthoquinone	ND	ug/L		10		SW8270C	03/24/06 17:12 / dam

Flags/Qualifiers
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
J - Estimated value. The analyte was present but less than the reporting limit.
P - Poor method performance. Method validations have shown no recoveries or low levels or erratic method performance.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill
Lab ID: B06031139-001
Client Sample ID: BSB-GW-02

Report Date: 04/07/06
Collection Date: 03/16/06 11:45
Date Received: 03/17/06
Matrix: Ground Water

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
1-Methylnaphthalene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
1-Naphthylamine	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
2,3,4,6-Tetrachlorophenol	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
2,4,5-Trichlorophenol	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
2,4,6-Trichlorophenol	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
2,4-Dichlorophenol	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
2,4-Dimethylphenol	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
2,4-Dinitrophenol	ND	ug/L		50		SW8270C	03/24/06 17:12 / dsm
2,4-Dinitrotoluene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
2,6-Dichlorophenol	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
2,6-Dinitrotoluene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
2-Acetylaminofluorene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
2-Chloronaphthalene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
2-Chlorophenol	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
2-Methylnaphthalene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
2-Naphthylamine	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
2-Nitroaniline	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
2-Nitrophenol	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
2-Picoline	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
3,3'-Dichlorobenzidine	ND	ug/L		20		SW8270C	03/24/06 17:12 / dsm
3,3'-Dimethylbenzidine	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
3-Methylcholanthrene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
3-Nitroaniline	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
4,6-Dinitro-2-methylphenol	ND	ug/L		50		SW8270C	03/24/06 17:12 / dsm
4-Aminobiphenyl	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
4-Bromophenyl phenyl ether	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
4-Chloro-2-methylphenol	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
4-Chloro-3-methylphenol	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
4-Chlorophenol	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
4-Chlorophenyl phenyl ether	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
4-Nitroaniline	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
4-Nitrophenol	ND	ug/L		50		SW8270C	03/24/06 17:12 / dsm
4-Nitroquinoline-n-oxide	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
5-Nitro-o-toluidine	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
7,12-Dimethylbenz(a)anthracene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
a,a-Dimethylphenethylamine	ND	ug/L	P			SW8270C	03/24/06 17:12 / dsm
Acenaphthene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Acenaphthylene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Acetophenone	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Aniline	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Anthracene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Horse Silver Gold Project Water Supply
Project: 2011 Old Timbers
Lab ID: 20101117-001
Client Sample ID: HSG-TW-02

Report Date: 01/17/08
Collected Date: 01/16/08 11:00
Date Received: 01/17/08
Matrix: Ground Water

Analyses	Result	Units	Qual	RL	MCL OCL	Method	Analysis Date / By
EPA 8260 VOLATILE ORGANIC COMPOUNDS							
2-Butanone (MEK)	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam
4-Methyl-2-pentanone	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam
2,2,4,4,6,7-Heptamethylnonane	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam
2,4,5-Trimethylpyridine	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam
2,4,6-Trimethylpyridine	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam
2,4-Dichlorophenol	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam
2,4-Dimethylphenol	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam
2,4-Dinitrophenol	ND	ug/L		50		SW8260C	01/24/08 17:12 / dam
2,4-Dinitrotoluene	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam
2,5-Dichlorophenol	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam
2,6-Dichlorophenol	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam
2,6-Dinitrotoluene	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam
2-Acetylaminofluorene	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam
2-Chloronaphthalene	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam
2-Chlorophenol	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam
2-Methylnaphthalene	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam
2-Methylphenol	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam
2-Nitroaniline	ND	ug/L		50		SW8260C	01/24/08 17:12 / dam
2-Nitrophenol	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam
2-Picoline	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam
3,3'-Dichlorobenzidine	ND	ug/L		20		SW8260C	01/24/08 17:12 / dam
3,4-Methylenedioxyamphetamine	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam
3-Methylcholanthrene	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam
3-Nitroaniline	ND	ug/L		50		SW8260C	01/24/08 17:12 / dam
4-Aminobiphenyl	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam
4-Bromophenyl phenyl ether	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam
4-Chloro-3-methylphenol	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam
4-Chloroaniline	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam
4-Chlorophenyl phenyl ether	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam
4-Nitroaniline	ND	ug/L		50		SW8260C	01/24/08 17:12 / dam
4-Nitrophenol	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam
5-Nitro-o-toluidine	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam
7,12-Dimethylbenz(a)anthracene	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam
a,a-Dimethylphenethylamine	ND	ug/L				SW8260C	01/24/08 17:12 / dam
Acenaphthene	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam
Acenaphthylene	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam
Acetophenone	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam
Aniline	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam
Anthracene	ND	ug/L		10		SW8260C	01/24/08 17:12 / dam

Report Definitions
RL - Analyte reporting limit.
MCL - Maximum contaminant level.
OCL - Quality control limit.
ND - Not detected at the reporting limit.
P - Flag indicating presence of the analyte in the blank.
Results are reported at the levels of analytical instrument.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill
Lab ID: B06031139-001
Client Sample ID: BSB-GW-02

Report Date: 04/07/06
Collection Date: 03/16/06 11:45
Date Received: 03/17/06
Matrix: Ground Water

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Aramite	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Azobenzene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Benzidine	ND	ug/L		20		SW8270C	03/24/06 17:12 / dsm
Benzo(a)anthracene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Benzo(a)pyrene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Benzo(b)fluoranthene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Benzo(g,h,i)perylene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Benzo(k)fluoranthene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Benzyl alcohol	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
bis(-2-chloroethoxy)Methane	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
bis(-2-chloroethyl)Ether	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
bis(2-chloroisopropyl)Ether	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
bis(2-ethylhexyl)Phthalate	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Butylbenzylphthalate	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Chlorobenzilate	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Chrysene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Diallate	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Dibenzo(a,h)anthracene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Dibenzofuran	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Diethyl phthalate	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Dimethoate	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Dimethyl phthalate	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Di-n-butyl phthalate	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Di-n-octyl phthalate	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Diphenylamine	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Disulfoton	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Ethyl methanesulfonate	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Famphur	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Fluoranthene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Fluorene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Hexachlorobenzene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Hexachlorobutadiene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Hexachlorocyclopentadiene	ND	ug/L		20		SW8270C	03/24/06 17:12 / dsm
Hexachloroethane	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Hexachlorophene	ND	ug/L	P			SW8270C	03/24/06 17:12 / dsm
Hexachloropropene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Indeno(1,2,3-cd)pyrene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Isophorone	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Isosafrole	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
m+p-Cresols	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Methapyrilene	ND	ug/L	P			SW8270C	03/24/06 17:12 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Bonn Stove Bow Public Works Dept
Project: BSB Oil Leaks
Lab ID: B06021129-001
Client Sample ID: BSB-OW-05

Report Date: 06/30/06
Collection Date: 06/16/06 11:45
Date Received: 06/17/06
Matrix: Ground Water

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Phenols	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
Acetophenone	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
Benzoic acid	ND	ug/L		20		SW8270C	06/24/06 17:12 / dam
Benzoic acid, methyl ester	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
Benzyl alcohol	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
Bis(2-chloroethyl)ether	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
Bis(2-chloroethoxy)methane	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
Bis(2-chloroisopropyl)ether	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
Bis(2-ethylhexyl)phthalate	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
Butyl benzyl phthalate	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
2-Chloronaphthalene	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
2-Chlorophenol	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
Chrysene	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
Dibenz(a,h)anthracene	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
Dibenzofuran	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
1,2-Dichlorobenzene	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
1,4-Dichlorobenzene	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
3,3'-Dichlorobenzidine	ND	ug/L		20		SW8270C	06/24/06 17:12 / dam
2,4-Dichlorophenol	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
Diethyl phthalate	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
2,4-Dimethylphenol	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
Dimethyl phthalate	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
Di-n-butyl phthalate	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
4,6-Dinitro-2-methylphenol	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
2,4-Dinitrophenol	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
2,4-Dinitrotoluene	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
2,6-Dinitrotoluene	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
Di-n-octyl phthalate	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
Fluoranthene	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
Fluorene	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
Hexachlorobenzene	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
Hexachlorobutadiene	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
Hexachlorocyclopentadiene	ND	ug/L		20		SW8270C	06/24/06 17:12 / dam
Hexachloroethane	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
Indeno(1,2,3-cd)pyrene	ND	ug/L	P			SW8270C	06/24/06 17:12 / dam
Isophorone	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
Naphthalene	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
2-Nitroaniline	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
3-Nitroaniline	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
4-Nitroaniline	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
Nitrobenzene	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
2-Nitrophenol	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
4-Nitrophenol	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
N-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	06/24/06 17:12 / dam
N-Nitrosodipropylamine	ND	ug/L	P			SW8270C	06/24/06 17:12 / dam

Flags:
Reporting Limit - PL - Analyte reporting limit.
Detection Limit - QCL - Quality control limit.
P - Pick matching peak/chromatogram. Method requirements have shown no recovery at low levels or matrix interfered peak/chromatogram.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill
Lab ID: B06031139-001
Client Sample ID: BSB-GW-02

Report Date: 04/07/06
Collection Date: 03/16/06 11:45
Date Received: 03/17/06
Matrix: Ground Water

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Methyl methanesulfonate	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Methyl parathion	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Naphthalene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Nitrobenzene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
n-Nitrosodiethylamine	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
n-Nitrosodimethylamine	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
n-Nitroso-di-n-butylamine	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
n-Nitroso-di-n-propylamine	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
n-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
n-Nitrosomethylethylamine	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
n-Nitrosomorpholine	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
n-Nitrosopiperidine	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
n-Nitrosopyrrolidine	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
o,o,o-Triethyl phosphorothioate	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
o-Cresol	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
o-Toluidine	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
p-(dimethylamino)Azobenzene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Parathion	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
p-Chloroaniline	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Pentachlorobenzene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Pentachloronitrobenzene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Pentachlorophenol	ND	ug/L		50		SW8270C	03/24/06 17:12 / dsm
Phenacetin	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Phenanthrene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Phenol	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Phorate	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Pronamide	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Pyrene	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Pyridine	ND	ug/L		20		SW8270C	03/24/06 17:12 / dsm
Safrole	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Sulfotep	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Thionazin	ND	ug/L		10		SW8270C	03/24/06 17:12 / dsm
Surr: 2,4,6-Tribromophenol	60.0	%REC			10-123	SW8270C	03/24/06 17:12 / dsm
Surr: 2-Fluorobiphenyl	61.3	%REC			43-116	SW8270C	03/24/06 17:12 / dsm
Surr: 2-Fluorophenol	44.8	%REC			21-100	SW8270C	03/24/06 17:12 / dsm
Surr: Nitrobenzene-d5	63.0	%REC			35-114	SW8270C	03/24/06 17:12 / dsm
Surr: Phenol-d5	37.6	%REC			10-94	SW8270C	03/24/06 17:12 / dsm
Surr: Terphenyl-d14	52.2	%REC			33-141	SW8270C	03/24/06 17:12 / dsm
8081A-ORGANOCHLORINE PESTICIDES							
4,4'-DDD	ND	ug/L		0.050		SW8081A	04/03/06 16:12 / ldw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Bum Drive Bus Public Works Dept
Project: BBB OM Landfill
Lab ID: R0801129-001
Client Sample ID: MW-OW-02

Report Date: 04/07/08
Collection Date: 03/18/08 11:41
Date Received: 03/17/08
Matrix: Ground Water

Analyte	Result	Units	Qual	RL	MCL / QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Methyl methanesulfonate	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
Methyl parathion	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
Naphthalene	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
Nitrobenzene	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
2-Nitroaniline	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
3-Nitroaniline	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
4-Nitroaniline	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
5-Nitro-o-toluidine	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
4-Nitrophenol	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
2-Nitrophenol	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
N-Nitrosodiethylamine	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
N-Nitrosodimethylamine	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
N-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
N-Nitrosodipropylamine	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
N-Nitrosomethylethylamine	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
N-Nitrosomorpholine	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
N-Nitrosopiperidine	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
N-Nitrosopyrrolidine	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
o,o,o-Triethyl phosphorothioate	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
o-Cresol	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
o-Toluidine	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
Pentachlorobenzene	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
Pentachloroethane	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
Pentachloronitrobenzene	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
Pentachlorophenol	ND	ug/L		50		SW8270C	03/24/08 17:12 / dam
Phenacetin	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
Phenanthrene	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
Phenol	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
Phorate	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
Phosmet	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
Phosphamidon	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
Pronamide	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
Propachlor	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
Propanil	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
Pyridine	ND	ug/L		20		SW8270C	03/24/08 17:12 / dam
Safrole	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
Sulfotep	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
Thionazin	ND	ug/L		10		SW8270C	03/24/08 17:12 / dam
Bis-2,4,6-Trichlorophenyl	ND	ug/L		10-123		SW8270C	03/24/08 17:12 / dam
Bis-2-Pyridinyldiol	0.43	ug/L		43-119		SW8270C	03/24/08 17:12 / dam
Bis-2-Pyridinyldisulfide	44.9	ug/L		27-100		SW8270C	03/24/08 17:12 / dam
Bis-Methanesulfonate	63.0	ug/L		35-174		SW8270C	03/24/08 17:12 / dam
Bis-Thiocyanate	37.5	ug/L		10-94		SW8270C	03/24/08 17:12 / dam
Bis-Tetraethylde	93.3	ug/L		31-141		SW8270C	03/24/08 17:12 / dam
2084A-OPGANOCHLORINE PESTICIDES							
4,4'-DDD	ND	ug/L		0.050		SW8081A	04/07/08 18:12 / dm

Report Qualifiers:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill
Lab ID: B06031139-001
Client Sample ID: BSB-GW-02

Report Date: 04/07/06
Collection Date: 03/16/06 11:45
Date Received: 03/17/06
Matrix: Ground Water

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
8081A-ORGANOCHLORINE PESTICIDES							
4,4'-DDE	ND	ug/L		0.050		SW8081A	04/03/06 16:12 / ldw
4,4'-DDT	ND	ug/L		0.050		SW8081A	04/03/06 16:12 / ldw
Aldrin	ND	ug/L		0.050		SW8081A	04/03/06 16:12 / ldw
alpha-BHC	ND	ug/L		0.050		SW8081A	04/03/06 16:12 / ldw
alpha-Chlordane	ND	ug/L		0.050		SW8081A	04/03/06 16:12 / ldw
beta-BHC	ND	ug/L		0.050		SW8081A	04/03/06 16:12 / ldw
Chlordane	ND	ug/L		0.50		SW8081A	04/03/06 16:12 / ldw
delta-BHC	ND	ug/L		0.050		SW8081A	04/03/06 16:12 / ldw
Dieldrin	ND	ug/L		0.050		SW8081A	04/03/06 16:12 / ldw
Endosulfan I	ND	ug/L		0.050		SW8081A	04/03/06 16:12 / ldw
Endosulfan II	ND	ug/L		0.050		SW8081A	04/03/06 16:12 / ldw
Endosulfan sulfate	ND	ug/L		0.050		SW8081A	04/03/06 16:12 / ldw
Endrin	ND	ug/L		0.050		SW8081A	04/03/06 16:12 / ldw
Endrin aldehyde	ND	ug/L		0.050		SW8081A	04/03/06 16:12 / ldw
Endrin ketone	ND	ug/L		0.050		SW8081A	04/03/06 16:12 / ldw
gamma-BHC (Lindane)	ND	ug/L		0.050		SW8081A	04/03/06 16:12 / ldw
gamma-Chlordane	ND	ug/L		0.050		SW8081A	04/03/06 16:12 / ldw
Heptachlor	ND	ug/L		0.050		SW8081A	04/03/06 16:12 / ldw
Heptachlor epoxide	ND	ug/L		0.050		SW8081A	04/03/06 16:12 / ldw
Isodrin	ND	ug/L		0.050		SW8081A	04/03/06 16:12 / ldw
Kepone	ND	ug/L		0.10		SW8081A	04/03/06 16:12 / ldw
Methoxychlor	ND	ug/L		0.050		SW8081A	04/03/06 16:12 / ldw
Toxaphene	ND	ug/L		5.0		SW8081A	03/31/06 23:15 / ldw
Surr: Decachlorobiphenyl	78.0	%REC			44-119	SW8081A	04/03/06 16:12 / ldw
Surr: Tetrachloro-m-xylene	60.5	%REC			40-120	SW8081A	04/03/06 16:12 / ldw
HERBICIDES, CHLORINATED							
2,4-D	ND	ug/L		1.0		SW8151A	03/23/06 20:53 / jkh
Dinoseb	ND	ug/L		1.0		SW8151A	03/23/06 20:53 / jkh
2,4,5-T	ND	ug/L		0.20		SW8151A	03/23/06 20:53 / jkh
2,4,5-TP (Silvex)	ND	ug/L		0.20		SW8151A	03/23/06 20:53 / jkh
Surr: DCAA	72.5	%REC			57-125	SW8151A	03/23/06 20:53 / jkh
POLYCHLORINATED BIPHENYLS (PCB'S)							
Aroclor 1016	ND	ug/L		0.50		SW8082	03/31/06 23:15 / ldw
Aroclor 1221	ND	ug/L		0.50		SW8082	03/31/06 23:15 / ldw
Aroclor 1232	ND	ug/L		0.50		SW8082	03/31/06 23:15 / ldw
Aroclor 1242	ND	ug/L		0.50		SW8082	03/31/06 23:15 / ldw
Aroclor 1248	ND	ug/L		0.50		SW8082	03/31/06 23:15 / ldw
Aroclor 1254	ND	ug/L		0.50		SW8082	03/31/06 23:15 / ldw
Aroclor 1260	ND	ug/L		0.50		SW8082	03/31/06 23:15 / ldw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Bluff Silver Bow Public Water Dept.
Project: 1st Qtr. 2006
Lab ID: B606011129-001
Client Sample ID: BSB GW-22

Report Date: 06/27/06
Collection Date: 06/16/06 11:45
Date Received: 06/17/06
Matrix: Ground Water

Analyte	Result	Units	Qual	RL	MCL/QCL	Method	Analysis Date / By
8021B/8260B VOLATILE ORGANIC COMPOUNDS							
1,1-DCE	ND	ug/L		0.020		SW8021B	06/20/06 19:12 / dw
1,1-DCP	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
Acetone	ND	ug/L		0.020		SW8260B	06/23/06 16:32 / dw
Benzene	ND	ug/L		0.020		SW8021B	06/20/06 19:12 / dw
Bromobenzene	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
Bromochloromethane	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
Bromodichloromethane	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
Bromoform	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
Bromomethane	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
2-Butanone (MEK)	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
n-Butylbenzene	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
sec-Butylbenzene	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
tert-Butylbenzene	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
Carbon tetrachloride	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
Chlorobenzene	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
Chloroethane	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
2-Chloroethylvinylether	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
Chloroform	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
Chloromethane	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
2-Chlorotoluene	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
4-Chlorotoluene	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
Dibromochloromethane	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
1,2-Dibromo-3-chloropropane	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
1,2-Dibromoethane (EDB)	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
Dibromomethane	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
1,2-Dichlorobenzene	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
1,3-Dichlorobenzene	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
1,4-Dichlorobenzene	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
Dichlorodifluoromethane	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
1,1-Dichloroethane	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
1,2-Dichloroethane (EDC)	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
1,1-Dichloroethylene	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
cis-1,2-Dichloroethylene	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
trans-1,2-Dichloroethylene	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
1,1-Dichloropropene	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
1,3-Dichloropropane	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
2,2-Dichloropropane	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
Ethylbenzene	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
Hexachlorobutadiene	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
Isopropylbenzene	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
Methylene chloride	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
Naphthalene	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
n-Propylbenzene	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
Styrene	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
Tetrachloroethylene (PCE)	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
Toluene	ND	ug/L		0.15		SW8021B	06/20/06 19:12 / dw
1,2,3-Trichlorobenzene	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
1,2,4-Trichlorobenzene	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
1,1,1-Trichloroethane	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
1,1,2-Trichloroethane	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
Trichloroethylene (TCE)	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
Trichlorofluoromethane	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
1,2,3-Trichloropropane	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
1,2,4-Trimethylbenzene	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
1,3,5-Trimethylbenzene	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
Vinyl chloride	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
Xylene (total)	ND	ug/L		0.060		SW8021B	06/20/06 19:12 / dw
Sum Dichlorobenzenes	75.0	NA/EC		44-178		SW8021B	06/20/06 19:12 / dw
Sum Trichlorobenzenes	60.5	NA/EC		49-120		SW8021B	06/20/06 19:12 / dw
HERBICIDES, CHLORINATED							
2,4-D	ND	ug/L		1.0		SW8151A	06/23/06 20:21 / dh
Dinoseb	ND	ug/L		1.0		SW8151A	06/23/06 20:21 / dh
2,4,5-T	ND	ug/L		0.20		SW8151A	06/23/06 20:21 / dh
2,4,5-TP (Silvex)	ND	ug/L		0.20		SW8151A	06/23/06 20:21 / dh
Surr: DCAA	72.8	NA/EC		37-125		SW8151A	06/23/06 20:21 / dh
POLYCHLORINATED BIPHENYLS (PCB's)							
Aroclor 1016	ND	ug/L		0.50		SW8082	06/20/06 23:18 / dw
Aroclor 1221	ND	ug/L		0.50		SW8082	06/20/06 23:18 / dw
Aroclor 1232	ND	ug/L		0.50		SW8082	06/20/06 23:18 / dw
Aroclor 1242	ND	ug/L		0.50		SW8082	06/20/06 23:18 / dw
Aroclor 1248	ND	ug/L		0.50		SW8082	06/20/06 23:18 / dw
Aroclor 1254	ND	ug/L		0.50		SW8082	06/20/06 23:18 / dw
Aroclor 1260	ND	ug/L		0.50		SW8082	06/20/06 23:18 / dw

Report Definitions: RL - Analyte reporting limit; QCL - Quality control limit; MCL - Maximum contaminant level; ND - Not detected at the reporting limit

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill
Lab ID: B06031139-001
Client Sample ID: BSB-GW-02

Report Date: 04/07/06
Collection Date: 03/16/06 11:45
Date Received: 03/17/06
Matrix: Ground Water

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
POLYCHLORINATED BIPHENYLS (PCB'S)							
Aroclor 1262	ND	ug/L		0.50		SW8082	03/31/06 23:15 / ldw
Aroclor 1268	ND	ug/L		0.50		SW8082	03/31/06 23:15 / ldw
Surr: Decachlorobiphenyl	53.5	%REC			44-119	SW8082	03/31/06 23:15 / ldw
Surr: Tetrachloro-m-xylene	57.0	%REC			40-120	SW8082	03/31/06 23:15 / ldw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill
Lab ID: B06031139-002
Client Sample ID: BSB-GW-04

BSB-A6-R

Report Date: 04/07/06
Collection Date: 03/16/06 12:25
Date Received: 03/17/06
Matrix: Ground Water

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	03/24/06 15:16 / sbd
Acetonitrile	ND	ug/L		20		SW8260B	03/24/06 15:16 / sbd
Acrolein	ND	ug/L		20		SW8260B	03/24/06 15:16 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	03/24/06 15:16 / sbd
Allyl chloride	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Benzene	0.36	ug/L	J	1.0		SW8260B	03/24/06 15:16 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Chloroprene	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Dichlorodifluoromethane	3.9	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
1,1-Dichloroethane	2.5	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
cis-1,2-Dichloroethene	2.2	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
1,2-Dichloropropane	0.72	ug/L	J	1.0		SW8260B	03/24/06 15:16 / sbd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	03/24/06 15:16 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill
Lab ID: B0603112-002
Client Sample ID: BSB-GW-04

Report Date: 04/07/06
Collection Date: 02/16/06 12:25
Date Received: 02/17/06
Matrix: Ground Water

BSB-A6-R

Analyses	Result	Units	Qual	RL	MCL/QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	03/24/06 15:16 / sbd
Acetonitrile	ND	ug/L		20		SW8260B	03/24/06 15:16 / sbd
Acrolein	ND	ug/L		20		SW8260B	03/24/06 15:16 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	03/24/06 15:16 / sbd
Allyl chloride	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Benzene	0.38	ug/L	J	1.0		SW8260B	03/24/06 15:16 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Chloroethanonitrile	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Chloroethene	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Chloroprene	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Dichlorodifluoromethane	3.9	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
1,1-Dichloroethane	2.6	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
cis-1,2-Dichloroethene	2.2	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
1,2-Dichloropropane	0.73	ug/L	J	1.0		SW8260B	03/24/06 15:16 / sbd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	03/24/06 15:16 / sbd

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was predicted but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill
Lab ID: B06031139-002
Client Sample ID: BSB-GW-04

Report Date: 04/07/06
Collection Date: 03/16/06 12:25
Date Received: 03/17/06
Matrix: Ground Water

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Iodomethane	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Isobutanol	ND	ug/L		50		SW8260B	03/24/06 15:16 / sbd
Methacrylonitrile	ND	ug/L		20		SW8260B	03/24/06 15:16 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	03/24/06 15:16 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	03/24/06 15:16 / sbd
Methyl methacrylate	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Methylene chloride	0.56	ug/L	J	1.0		SW8260B	03/24/06 15:16 / sbd
Naphthalene	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Pentachloroethane	ND	ug/L		2.0		SW8260B	03/24/06 15:16 / sbd
Propionitrile	ND	ug/L		20		SW8260B	03/24/06 15:16 / sbd
Styrene	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Tetrachloroethene	0.48	ug/L	J	1.0		SW8260B	03/24/06 15:16 / sbd
Toluene	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Trichloroethene	0.27	ug/L	J	1.0		SW8260B	03/24/06 15:16 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Vinyl chloride	1.2	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	03/24/06 15:16 / sbd
Surr: 1,2-Dichloroethane-d4	94.8	%REC			70-130	SW8260B	03/24/06 15:16 / sbd
Surr: Dibromofluoromethane	100	%REC			77-126	SW8260B	03/24/06 15:16 / sbd
Surr: p-Bromofluorobenzene	106	%REC			76-127	SW8260B	03/24/06 15:16 / sbd
Surr: Toluene-d8	100	%REC			79-122	SW8260B	03/24/06 15:16 / sbd
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4,5-Tetrachlorobenzene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
1,2-Dichlorobenzene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
1,3,5-Trinitrobenzene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
1,3-Dinitrobenzene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
1,4-Benzenediamine	ND	ug/L	P			SW8270C	03/24/06 18:14 / dsm
1,4-Dichlorobenzene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
1,4-Naphthoquinone	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.

LABORATORY ANALYTICAL REPORT

Client: Bow Valley Disc Public Works Dept.
Project: SSR CM Landfill
Lab ID: 9030011429-002
Client Sample ID: MW-GW-04

Report Date: 04/07/09
Collection Date: 03/16/09 12:23
Date Received: 03/17/09
Matrix: Ground Water

Analyte	Result	Type	Qual	RL	MCL QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Benzene	ND	ug/L		0.9		SW8260B	03/24/09 15:16 / ebd
Toluene	ND	ug/L		60		SW8260B	03/24/09 15:16 / ebd
Ethylbenzene	ND	ug/L		20		SW8260B	03/24/09 15:16 / ebd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	03/24/09 15:16 / ebd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	03/24/09 15:16 / ebd
Methyl tert-butyl ether	ND	ug/L		1.0		SW8260B	03/24/09 15:16 / ebd
Naphthalene	0.66	ug/L	J	1.0		SW8260B	03/24/09 15:16 / ebd
n-Propylbenzene	ND	ug/L		1.0		SW8260B	03/24/09 15:16 / ebd
Toluene-d8	ND	ug/L		2.0		SW8260B	03/24/09 15:16 / ebd
Bromofluorobenzene	ND	ug/L		2.0		SW8260B	03/24/09 15:16 / ebd
Dibromofluoromethane	ND	ug/L		20		SW8260B	03/24/09 15:16 / ebd
Benzene	ND	ug/L		1.0		SW8260B	03/24/09 15:16 / ebd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	03/24/09 15:16 / ebd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	03/24/09 15:16 / ebd
Trichloroethene	0.69	ug/L	J	1.0		SW8260B	03/24/09 15:16 / ebd
Toluene	ND	ug/L		1.0		SW8260B	03/24/09 15:16 / ebd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/24/09 15:16 / ebd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	03/24/09 15:16 / ebd
1,1,2-Trichlorotrifluoroethane	ND	ug/L		1.0		SW8260B	03/24/09 15:16 / ebd
1,1,2-Trichlorotrifluoroethane	ND	ug/L		1.0		SW8260B	03/24/09 15:16 / ebd
Trichloroethene	0.27	ug/L	J	1.0		SW8260B	03/24/09 15:16 / ebd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	03/24/09 15:16 / ebd
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/09 15:16 / ebd
Vinyl chloride	ND	ug/L		1.0		SW8260B	03/24/09 15:16 / ebd
Vinyl acetate	ND	ug/L		1.0		SW8260B	03/24/09 15:16 / ebd
m-Xylene	ND	ug/L		1.0		SW8260B	03/24/09 15:16 / ebd
p-Xylene	ND	ug/L		1.0		SW8260B	03/24/09 15:16 / ebd
o-Xylene	ND	ug/L		1.0		SW8260B	03/24/09 15:16 / ebd
Xylenes, Total	ND	ug/L		1.0		SW8260B	03/24/09 15:16 / ebd
Surr: 2,3-Dichlorotoluene-IS	94.8	%REC		70-130		SW8260B	03/24/09 15:16 / ebd
Surr: Dibromofluoromethane	100	%REC		77-136		SW8260B	03/24/09 15:16 / ebd
Surr: p-Bromofluorobenzene	108	%REC		75-127		SW8260B	03/24/09 15:16 / ebd
Surr: Toluene-d8	100	%REC		75-122		SW8260B	03/24/09 15:16 / ebd
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4,5-Tetrachlorobenzene	ND	ug/L		10		SW8270C	03/19/09 16:14 / dam
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	03/19/09 16:14 / dam
1,2-Dichlorobenzene	ND	ug/L		10		SW8270C	03/19/09 16:14 / dam
1,3,5-Trichlorobenzene	ND	ug/L		10		SW8270C	03/19/09 16:14 / dam
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	03/19/09 16:14 / dam
1,3-Dinitrobenzene	ND	ug/L		10		SW8270C	03/19/09 16:14 / dam
1,4-Dichlorobenzene	ND	ug/L		10		SW8270C	03/19/09 16:14 / dam
1,4-Dinitrobenzene	ND	ug/L		10		SW8270C	03/19/09 16:14 / dam
1,4-Dioxane	ND	ug/L		10		SW8270C	03/19/09 16:14 / dam
1-Methylnaphthalene	ND	ug/L		10		SW8270C	03/19/09 16:14 / dam

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
R - Poor method performance. Rejected validation data shows no recovery at any level or gross method performance.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill
Lab ID: B06031139-002
Client Sample ID: BSB-GW-04

Report Date: 04/07/06
Collection Date: 03/16/06 12:25
Date Received: 03/17/06
Matrix: Ground Water

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
1-Methylnaphthalene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
1-Naphthylamine	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
2,3,4,6-Tetrachlorophenol	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
2,4,5-Trichlorophenol	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
2,4,6-Trichlorophenol	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
2,4-Dichlorophenol	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
2,4-Dimethylphenol	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
2,4-Dinitrophenol	ND	ug/L		50		SW8270C	03/24/06 18:14 / dsm
2,4-Dinitrotoluene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
2,6-Dichlorophenol	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
2,6-Dinitrotoluene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
2-Acetylaminofluorene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
2-Chloronaphthalene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
2-Chlorophenol	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
2-Methylnaphthalene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
2-Naphthylamine	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
2-Nitroaniline	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
2-Nitrophenol	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
2-Picoline	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
3,3´-Dichlorobenzidine	ND	ug/L		20		SW8270C	03/24/06 18:14 / dsm
3,3´-Dimethylbenzidine	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
3-Methylcholanthrene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
3-Nitroaniline	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
4,6-Dinitro-2-methylphenol	ND	ug/L		50		SW8270C	03/24/06 18:14 / dsm
4-Aminobiphenyl	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
4-Bromophenyl phenyl ether	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
4-Chloro-2-methylphenol	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
4-Chloro-3-methylphenol	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
4-Chlorophenol	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
4-Chlorophenyl phenyl ether	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
4-Nitroaniline	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
4-Nitrophenol	ND	ug/L		50		SW8270C	03/24/06 18:14 / dsm
4-Nitroquinoline-n-oxide	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
5-Nitro-o-toluidine	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
7,12-Dimethylbenz(a)anthracene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
a,a-Dimethylphenethylamine	ND	ug/L	P			SW8270C	03/24/06 18:14 / dsm
Acenaphthene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Acenaphthylene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Acetophenone	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Aniline	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Anthracene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Bang Saints Bow Public Works Dept
Project: BSB OM Lawfill
Lab ID: R0601139-002
Client Sample ID: BSB-GW-04

Report Date: 06/07/06
Collection Date: 01/18/06 12:15
Date Received: 01/21/06
Matrix: Ground Water

Analyses	Result	Units	Qual	RL	MCL / QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,4-Dichlorobenzene	ND	ug/L		10		SW8270C	02/24/06 16:14 / dam
1-Naphthylamine	ND	ug/L		10		SW8270C	02/24/06 16:14 / dam
2,3,4,6-Tetrachlorophenol	ND	ug/L		10		SW8270C	02/24/06 16:14 / dam
2,4,5-Trichlorophenol	ND	ug/L		10		SW8270C	02/24/06 16:14 / dam
2,4,6-Trichlorophenol	ND	ug/L		10		SW8270C	02/24/06 16:14 / dam
2,4-Dichlorophenol	ND	ug/L		10		SW8270C	02/24/06 16:14 / dam
2,4-Dimethylphenol	ND	ug/L		10		SW8270C	02/24/06 16:14 / dam
2,4-Dinitrophenol	ND	ug/L		50		SW8270C	02/24/06 16:14 / dam
2,4-Dinitrotoluene	ND	ug/L		10		SW8270C	02/24/06 16:14 / dam
2,6-Dinitrotoluene	ND	ug/L		10		SW8270C	02/24/06 16:14 / dam
2-Chloronaphthalene	ND	ug/L		10		SW8270C	02/24/06 16:14 / dam
2-Chlorophenol	ND	ug/L		10		SW8270C	02/24/06 16:14 / dam
2-Methylnaphthalene	ND	ug/L		10		SW8270C	02/24/06 16:14 / dam
2-Methylphenol	ND	ug/L		10		SW8270C	02/24/06 16:14 / dam
2-Nitroaniline	ND	ug/L		50		SW8270C	02/24/06 16:14 / dam
2-Nitrophenol	ND	ug/L		10		SW8270C	02/24/06 16:14 / dam
3,3'-Dichlorobenzidine	ND	ug/L		20		SW8270C	02/24/06 16:14 / dam
3,4-Methylphenol	ND	ug/L		10		SW8270C	02/24/06 16:14 / dam
3-Methylcholanthrene	ND	ug/L		10		SW8270C	02/24/06 16:14 / dam
3-Nitroaniline	ND	ug/L		50		SW8270C	02/24/06 16:14 / dam
4,6-Dinitro-2-methylphenol	ND	ug/L		50		SW8270C	02/24/06 16:14 / dam
4-Bromophenyl phenyl ether	ND	ug/L		10		SW8270C	02/24/06 16:14 / dam
4-Chloro-3-methylphenol	ND	ug/L		10		SW8270C	02/24/06 16:14 / dam
4-Chloroaniline	ND	ug/L		10		SW8270C	02/24/06 16:14 / dam
4-Chlorophenyl phenyl ether	ND	ug/L		10		SW8270C	02/24/06 16:14 / dam
4-Nitroaniline	ND	ug/L		50		SW8270C	02/24/06 16:14 / dam
4-Nitrophenol	ND	ug/L		50		SW8270C	02/24/06 16:14 / dam
4-Nitroquinoline-1-oxide	ND	ug/L		10		SW8270C	02/24/06 16:14 / dam
5-Nitro-o-toluidine	ND	ug/L		10		SW8270C	02/24/06 16:14 / dam
7,12-Dimethylbenz(a)anthracene	ND	ug/L		10		SW8270C	02/24/06 16:14 / dam
a,a,-Dimethylphenethylamine	ND	ug/L		10		SW8270C	02/24/06 16:14 / dam
Acenaphthene	ND	ug/L		10		SW8270C	02/24/06 16:14 / dam
Acenaphthylene	ND	ug/L		10		SW8270C	02/24/06 16:14 / dam
Acetophenone	ND	ug/L		10		SW8270C	02/24/06 16:14 / dam
Aniline	ND	ug/L		10		SW8270C	02/24/06 16:14 / dam
Anthracene	ND	ug/L		10		SW8270C	02/24/06 16:14 / dam

Report RL - Analyte reporting limit.
Definitions: MCL - Maximum contaminant level.
QCL - Quality control limit.
ND - Not detected at the reporting limit.
P - Poor spiked performance. Method validations have shown no recoveries at low levels or matrix method interferences.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill
Lab ID: B06031139-002
Client Sample ID: BSB-GW-04

Report Date: 04/07/06
Collection Date: 03/16/06 12:25
Date Received: 03/17/06
Matrix: Ground Water

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Aramite	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Azobenzene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Benzidine	ND	ug/L		20		SW8270C	03/24/06 18:14 / dsm
Benzo(a)anthracene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Benzo(a)pyrene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Benzo(b)fluoranthene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Benzo(g,h,i)perylene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Benzo(k)fluoranthene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Benzyl alcohol	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
bis(-2-chloroethoxy)Methane	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
bis(-2-chloroethyl)Ether	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
bis(2-chloroisopropyl)Ether	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
bis(2-ethylhexyl)Phthalate	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Butylbenzylphthalate	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Chlorobenzilate	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Chrysene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Diallate	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Dibenzo(a,h)anthracene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Dibenzofuran	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Diethyl phthalate	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Dimethoate	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Dimethyl phthalate	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Di-n-butyl phthalate	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Di-n-octyl phthalate	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Diphenylamine	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Disulfoton	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Ethyl methanesulfonate	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Famphur	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Fluoranthene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Fluorene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Hexachlorobenzene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Hexachlorobutadiene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Hexachlorocyclopentadiene	ND	ug/L		20		SW8270C	03/24/06 18:14 / dsm
Hexachloroethane	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Hexachlorophene	ND	ug/L	P			SW8270C	03/24/06 18:14 / dsm
Hexachloropropene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Indeno(1,2,3-cd)pyrene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Isophorone	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Isosafrole	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
m+p-Cresols	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Methapyrilene	ND	ug/L	P			SW8270C	03/24/06 18:14 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Bum Alive Sew Public Works Dept
Project: 550 Old Lincoln
Lab ID: R0001112A0D
Client Sample ID: BSB-CW-04

Report Date: 01/12/06
Collection Date: 01/09/06 12:15
Date Received: 01/12/06
Matrix: Ground Water

Analyte	Result	Units	Qual	RL	SHCL QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Acenaphthene	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
Acenaphthylene	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
Anthracene	ND	ug/L		20		SW8270C	01/24/06 18:14 / dam
Benzo(a)anthracene	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
Benzo(a)pyrene	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
Benzo(b)fluoranthene	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
Benzo(g,h,i)perylene	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
Benzo(k)fluoranthene	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
Benzyl alcohol	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
bis(2-chloroethoxy)Methane	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
bis(2-chloroethyl)Ether	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
bis(2-chloroisopropyl)Ether	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
bis(2-ethylhexyl)Phthalate	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
4-Bromophenyl-phenylether	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
Butylbenzylphthalate	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
Carbazole	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
Chrysene	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
Dibenz(a,h)anthracene	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
Dibenzofuran	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
Diethylphthalate	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
Dimethylphthalate	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
Di-n-butylphthalate	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
Di-n-octylphthalate	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
Fluoranthene	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
Fluorene	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
Hexachlorobenzene	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
Hexachlorobutadiene	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
Hexachlorocyclopentadiene	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
Hexachloroethane	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
Indeno(1,2,3-cd)pyrene	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
Isophorone	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
Naphthalene	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
Nitrobenzene	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
NDMA	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
N-Nitroso-di-n-propylamine	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
N-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
Pentachlorophenol	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
Phenanthrene	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
Phenol	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
Pyrene	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam
Pyridine	ND	ug/L		10		SW8270C	01/24/06 18:14 / dam

Report Definitions:
RL - Analyte reporting limit
QCL - Quality control limit
MCL - Maximum contaminant level
ND - Not detected at the reporting limit

? - Poor method performance. Method validation failure
above no recoveries at low levels or matrix interfere
performance

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill
Lab ID: B06031139-002
Client Sample ID: BSB-GW-04

Report Date: 04/07/06
Collection Date: 03/16/06 12:25
Date Received: 03/17/06
Matrix: Ground Water

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Methyl methanesulfonate	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Methyl parathion	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Naphthalene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Nitrobenzene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
n-Nitrosodiethylamine	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
n-Nitrosodimethylamine	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
n-Nitroso-di-n-butylamine	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
n-Nitroso-di-n-propylamine	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
n-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
n-Nitrosomethylethylamine	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
n-Nitrosomorpholine	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
n-Nitrosopiperidine	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
n-Nitrosopyrrolidine	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
o,o,o-Triethyl phosphorothioate	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
o-Cresol	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
o-Toluidine	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
p-(dimethylamino)Azobenzene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Parathion	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
p-Chloroaniline	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Pentachlorobenzene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Pentachloronitrobenzene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Pentachlorophenol	ND	ug/L		50		SW8270C	03/24/06 18:14 / dsm
Phenacetin	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Phenanthrene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Phenol	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Phorate	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Pronamide	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Pyrene	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Pyridine	ND	ug/L		20		SW8270C	03/24/06 18:14 / dsm
Safrole	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Sulfotep	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Thionazin	ND	ug/L		10		SW8270C	03/24/06 18:14 / dsm
Surr: 2,4,6-Tribromophenol	76.0	%REC			10-123	SW8270C	03/24/06 18:14 / dsm
Surr: 2-Fluorobiphenyl	70.5	%REC			43-116	SW8270C	03/24/06 18:14 / dsm
Surr: 2-Fluorophenol	43.3	%REC			21-100	SW8270C	03/24/06 18:14 / dsm
Surr: Nitrobenzene-d5	66.8	%REC			35-114	SW8270C	03/24/06 18:14 / dsm
Surr: Phenol-d5	36.8	%REC			10-94	SW8270C	03/24/06 18:14 / dsm
Surr: Terphenyl-d14	76.0	%REC			33-141	SW8270C	03/24/06 18:14 / dsm
8081A-ORGANOCHLORINE PESTICIDES							
4,4´-DDD	ND	ug/L		0.050		SW8081A	04/03/06 15:06 / ldw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Dane Silver Bow Public Works Dept
Project: BSB Old Landfill
Lab ID: 9606172-002
Client Sample ID: BSB-GW-04

Report Date: 06/07/06
Collection Date: 05/17/06 12:25
Date Received: 05/17/06
Matrix: Ground Water

Analysis	Result	Units	Qual	RL	MCL QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Methyl methanesulfonate	ND	ug/L		10		SW8270C	06/24/06 16:14 / dwm
Methyl parathion	ND	ug/L		10		SW8270C	06/24/06 16:14 / dwm
Naphthalene	ND	ug/L		10		SW8270C	06/24/06 16:14 / dwm
Nitrobenzene	ND	ug/L		10		SW8270C	06/24/06 16:14 / dwm
n-Nitrosodiethylamine	ND	ug/L		10		SW8270C	06/24/06 16:14 / dwm
n-Nitrosodimethylamine	ND	ug/L		10		SW8270C	06/24/06 16:14 / dwm
n-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	06/24/06 16:14 / dwm
n-Nitrosodi-n-propylamine	ND	ug/L		10		SW8270C	06/24/06 16:14 / dwm
n-Nitrosopiperidine	ND	ug/L		10		SW8270C	06/24/06 16:14 / dwm
n-Nitrosopyrrolidine	ND	ug/L		10		SW8270C	06/24/06 16:14 / dwm
n-Octadecane	ND	ug/L		10		SW8270C	06/24/06 16:14 / dwm
n-Octadecanoic acid	ND	ug/L		10		SW8270C	06/24/06 16:14 / dwm
n-Octyl phthalate	ND	ug/L		10		SW8270C	06/24/06 16:14 / dwm
n-Octyl-n-butyl phthalate	ND	ug/L		10		SW8270C	06/24/06 16:14 / dwm
o-Cresol	ND	ug/L		10		SW8270C	06/24/06 16:14 / dwm
o-Toluidine	ND	ug/L		10		SW8270C	06/24/06 16:14 / dwm
p-(dimethylamino)azobenzene	ND	ug/L		10		SW8270C	06/24/06 16:14 / dwm
Pentachlorobenzene	ND	ug/L		10		SW8270C	06/24/06 16:14 / dwm
Pentachloroethane	ND	ug/L		10		SW8270C	06/24/06 16:14 / dwm
Pentachloronitrobenzene	ND	ug/L		10		SW8270C	06/24/06 16:14 / dwm
Pentachlorophenol	ND	ug/L		50		SW8270C	06/24/06 16:14 / dwm
Phenacetin	ND	ug/L		10		SW8270C	06/24/06 16:14 / dwm
Phenanthrene	ND	ug/L		10		SW8270C	06/24/06 16:14 / dwm
Phenol	ND	ug/L		10		SW8270C	06/24/06 16:14 / dwm
Phorate	ND	ug/L		10		SW8270C	06/24/06 16:14 / dwm
Phosalone	ND	ug/L		10		SW8270C	06/24/06 16:14 / dwm
Phosphamidon	ND	ug/L		10		SW8270C	06/24/06 16:14 / dwm
Pronamide	ND	ug/L		10		SW8270C	06/24/06 16:14 / dwm
Pyrene	ND	ug/L		10		SW8270C	06/24/06 16:14 / dwm
Pyridine	ND	ug/L		20		SW8270C	06/24/06 16:14 / dwm
Safrole	ND	ug/L		10		SW8270C	06/24/06 16:14 / dwm
Sulfotep	ND	ug/L		10		SW8270C	06/24/06 16:14 / dwm
Thionazin	ND	ug/L		10		SW8270C	06/24/06 16:14 / dwm
Surr: 2,4,6-Tribromophenol	72.0	%REC		10-123		SW8270C	06/24/06 16:14 / dwm
Surr: 2-Fluorobiphenyl	75.5	%REC		43-116		SW8270C	06/24/06 16:14 / dwm
Surr: 2-Fluorophenol	43.3	%REC		21-100		SW8270C	06/24/06 16:14 / dwm
Surr: Nitrobenzene-d5	68.8	%REC		35-114		SW8270C	06/24/06 16:14 / dwm
Surr: Phenol-d5	30.6	%REC		10-94		SW8270C	06/24/06 16:14 / dwm
Surr: Terphenyl-d14	72.5	%REC		33-141		SW8270C	06/24/06 16:14 / dwm
8081A-ORGANOCHLORINE PESTICIDES							
4,4'-DDD	ND	ug/L		0.050		SW8081A	06/23/06 16:08 / bkw

Report RL - Analyte reporting limit
Definitions QCL - Quality control limit

MCL - Maximum contaminant level
ND - Not detected at the reporting limit

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill
Lab ID: B06031139-002
Client Sample ID: BSB-GW-04

Report Date: 04/07/06
Collection Date: 03/16/06 12:25
Date Received: 03/17/06
Matrix: Ground Water

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
8081A-ORGANOCHLORINE PESTICIDES							
4,4´-DDE	ND	ug/L		0.050		SW8081A	04/03/06 15:06 / ldw
4,4´-DDT	ND	ug/L		0.050		SW8081A	04/03/06 15:06 / ldw
Aldrin	ND	ug/L		0.050		SW8081A	04/03/06 15:06 / ldw
alpha-BHC	ND	ug/L		0.050		SW8081A	04/03/06 15:06 / ldw
alpha-Chlordane	ND	ug/L		0.050		SW8081A	04/03/06 15:06 / ldw
beta-BHC	ND	ug/L		0.050		SW8081A	04/03/06 15:06 / ldw
Chlordane	ND	ug/L		0.50		SW8081A	04/03/06 15:06 / ldw
delta-BHC	ND	ug/L		0.050		SW8081A	04/03/06 15:06 / ldw
Dieldrin	ND	ug/L		0.050		SW8081A	04/03/06 15:06 / ldw
Endosulfan I	ND	ug/L		0.050		SW8081A	04/03/06 15:06 / ldw
Endosulfan II	ND	ug/L		0.050		SW8081A	04/03/06 15:06 / ldw
Endosulfan sulfate	ND	ug/L		0.050		SW8081A	04/03/06 15:06 / ldw
Endrin	ND	ug/L		0.050		SW8081A	04/03/06 15:06 / ldw
Endrin aldehyde	ND	ug/L		0.050		SW8081A	04/03/06 15:06 / ldw
Endrin ketone	ND	ug/L		0.050		SW8081A	04/03/06 15:06 / ldw
gamma-BHC (Lindane)	ND	ug/L		0.050		SW8081A	04/03/06 15:06 / ldw
gamma-Chlordane	ND	ug/L		0.050		SW8081A	04/03/06 15:06 / ldw
Heptachlor	ND	ug/L		0.050		SW8081A	04/03/06 15:06 / ldw
Heptachlor epoxide	ND	ug/L		0.050		SW8081A	04/03/06 15:06 / ldw
Isodrin	ND	ug/L		0.050		SW8081A	04/03/06 15:06 / ldw
Kepone	ND	ug/L		0.10		SW8081A	04/03/06 15:06 / ldw
Methoxychlor	ND	ug/L		0.050		SW8081A	04/03/06 15:06 / ldw
Toxaphene	ND	ug/L		5.0		SW8081A	03/31/06 22:08 / ldw
Toxaphene	ND	ug/L		5.0		SW8081A	04/03/06 15:06 / ldw
Surr: Decachlorobiphenyl	36.0	%REC	S		44-119	SW8081A	04/03/06 15:06 / ldw
Surr: Tetrachloro-m-xylene	54.0	%REC			40-120	SW8081A	04/03/06 15:06 / ldw
HERBICIDES, CHLORINATED							
2,4-D	ND	ug/L		1.0		SW8151A	03/23/06 22:21 / jkh
Dinoseb	ND	ug/L		1.0		SW8151A	03/23/06 22:21 / jkh
2,4,5-T	ND	ug/L		0.20		SW8151A	03/23/06 22:21 / jkh
2,4,5-TP (Silvex)	ND	ug/L		0.20		SW8151A	03/23/06 22:21 / jkh
Surr: DCAA	81.4	%REC			57-125	SW8151A	03/23/06 22:21 / jkh
POLYCHLORINATED BIPHENYLS (PCB'S)							
Aroclor 1016	ND	ug/L		0.50		SW8082	03/31/06 22:08 / ldw
Aroclor 1221	ND	ug/L		0.50		SW8082	03/31/06 22:08 / ldw
Aroclor 1232	ND	ug/L		0.50		SW8082	03/31/06 22:08 / ldw
Aroclor 1242	ND	ug/L		0.50		SW8082	03/31/06 22:08 / ldw
Aroclor 1248	ND	ug/L		0.50		SW8082	03/31/06 22:08 / ldw
Aroclor 1254	ND	ug/L		0.50		SW8082	03/31/06 22:08 / ldw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
S - Spike recovery outside of advisory limits.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: State Water New Public Works Dept
Project: 2001 Old Landfill
Lab ID: K0001112-001
Client Sample ID: 1005-DW-04

Report Date: 04/07/06
Collection Date: 04/06/06 12:15
Date Received: 03/17/06
Matrix: Ground Water

Analyte	Result	Units	Qual	RL	QCL	MCL Attained	Analysis Date / By
8332 A-ORGANOCHLORINE PESTICIDES							
4,4'-DDE	ND	ug/L		0.050		SW8081A	04/20/06 15:06 / ldw
4,4'-DDT	ND	ug/L		0.050		SW8081A	04/20/06 15:06 / ldw
Aldrin	ND	ug/L		0.050		SW8081A	04/20/06 15:06 / ldw
Alpha-BHC	ND	ug/L		0.050		SW8081A	04/20/06 15:06 / ldw
Beta-BHC	ND	ug/L		0.050		SW8081A	04/20/06 15:06 / ldw
Chlordane	ND	ug/L		0.050		SW8081A	04/20/06 15:06 / ldw
Delta-BHC	ND	ug/L		0.30		SW8081A	04/20/06 15:06 / ldw
Dieldrin	ND	ug/L		0.050		SW8081A	04/20/06 15:06 / ldw
Endosulfan I	ND	ug/L		0.050		SW8081A	04/20/06 15:06 / ldw
Endosulfan II	ND	ug/L		0.050		SW8081A	04/20/06 15:06 / ldw
Endosulfan sulfate	ND	ug/L		0.050		SW8081A	04/20/06 15:06 / ldw
Endrin	ND	ug/L		0.050		SW8081A	04/20/06 15:06 / ldw
Endrin aldehyde	ND	ug/L		0.050		SW8081A	04/20/06 15:06 / ldw
Endrin ketone	ND	ug/L		0.050		SW8081A	04/20/06 15:06 / ldw
gamma-BHC (Lindane)	ND	ug/L		0.050		SW8081A	04/20/06 15:06 / ldw
gamma-Chlordane	ND	ug/L		0.050		SW8081A	04/20/06 15:06 / ldw
Heptachlor	ND	ug/L		0.050		SW8081A	04/20/06 15:06 / ldw
Heptachlor epoxide	ND	ug/L		0.050		SW8081A	04/20/06 15:06 / ldw
Methoxychlor	ND	ug/L		0.050		SW8081A	04/20/06 15:06 / ldw
Toxaphene	ND	ug/L		5.0		SW8081A	04/20/06 15:06 / ldw
Tox pattern	ND	ug/L		5.0		SW8081A	04/20/06 15:06 / ldw
Surr: Decachlorobiphenyl	38.8	%REC	S	40-120		SW8081A	04/20/06 15:06 / ldw
Surr: Tetrachloro-m-xylene	84.0	%REC		40-120		SW8081A	04/20/06 15:06 / ldw
HERBICIDES, CHLORINATED							
2,4-D	ND	ug/L		1.0		SW8151A	03/23/06 22:27 / jkh
Dinoseb	ND	ug/L		1.0		SW8151A	03/23/06 22:27 / jkh
2,4,5-T	ND	ug/L		0.20		SW8151A	03/23/06 22:27 / jkh
2,4,5-TP (Silvex)	ND	ug/L		0.20		SW8151A	03/23/06 22:27 / jkh
Surr: DCAA	87.4	%REC		57-120		SW8151A	03/23/06 22:27 / jkh
POLYCHLORINATED BIPHENYLS (PCB'S)							
Aroclor 1016	ND	ug/L		0.10		SW8082	03/31/06 22:06 / kbw
Aroclor 1221	ND	ug/L		0.20		SW8082	03/31/06 22:06 / kbw
Aroclor 1232	ND	ug/L		0.20		SW8082	03/31/06 22:06 / kbw
Aroclor 1242	ND	ug/L		0.20		SW8082	03/31/06 22:06 / kbw
Aroclor 1248	ND	ug/L		0.20		SW8082	03/31/06 22:06 / kbw
Aroclor 1254	ND	ug/L		0.20		SW8082	03/31/06 22:06 / kbw

Abbreviations: RL - Analyte reporting limit.
QCL - Quality control limit.
S - Spike recovery outside of advisory limits.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill
Lab ID: B06031139-002
Client Sample ID: BSB-GW-04

Report Date: 04/07/06
Collection Date: 03/16/06 12:25
Date Received: 03/17/06
Matrix: Ground Water

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
POLYCHLORINATED BIPHENYLS (PCB'S)							
Aroclor 1260	ND	ug/L		0.50		SW8082	03/31/06 22:08 / ldw
Aroclor 1262	ND	ug/L		0.50		SW8082	03/31/06 22:08 / ldw
Aroclor 1268	ND	ug/L		0.50		SW8082	03/31/06 22:08 / ldw
Surr: Decachlorobiphenyl	30.1	%REC	S		44-119	SW8082	03/31/06 22:08 / ldw
Surr: Tetrachloro-m-xylene	57.0	%REC			40-120	SW8082	03/31/06 22:08 / ldw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
S - Spike recovery outside of advisory limits.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Bank Silver Hve Public Works Dept
Project: 1931 Old Lawrnh
Lab ID: E0-0011129-01
Client Sample ID: 1931-CW-04

Report Date: 04/07/09
Collection Date: 03/16/09 12:25
Date Received: 03/17/09
Matrix: Ground Water

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1260	ND	ug/L		0.50		SW8082	03/26/09 22:08 / ldw
Aroclor 1262	ND	ug/L		0.50		SW8082	03/26/09 22:08 / ldw
Aroclor 1268	ND	ug/L		0.50		SW8082	03/26/09 22:08 / ldw
Surr: Decachlorobiphenyl	30.1	%REC	S		44-119	SW8082	03/26/09 22:08 / ldw
Surr: Tetrachloro-m-xylene	67.0	%REC			40-120	SW8082	03/26/09 22:08 / ldw

Report RL - Analyte reporting limit
Definitions: QCL - Quality control limit
S - Spike recovery outside of advisory limits.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill
Lab ID: B06031139-003
Client Sample ID: BSB-GW-05

Report Date: 04/07/06
Collection Date: 03/16/06 12:25
Date Received: 03/17/06
Matrix: Ground Water

BSB-A6-R Dup

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	03/24/06 15:44 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	03/24/06 15:44 / sbd
Benzene	0.34	ug/L	J	1.0		SW8260B	03/24/06 15:44 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
Dichlorodifluoromethane	3.8	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
1,1-Dichloroethane	2.5	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
cis-1,2-Dichloroethene	2.3	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
1,2-Dichloropropane	0.70	ug/L	J	1.0		SW8260B	03/24/06 15:44 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	03/24/06 15:44 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	03/24/06 15:44 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	03/24/06 15:44 / sbd
Methylene chloride	0.58	ug/L	J	1.0		SW8260B	03/24/06 15:44 / sbd
Styrene	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
Tetrachloroethene	0.46	ug/L	J	1.0		SW8260B	03/24/06 15:44 / sbd
Toluene	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd.
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: [illegible]
Project: [illegible]
Lab ID: [illegible]
Client Sample ID: [illegible]

Report Date: [illegible]
Collection Date: [illegible]
Date Received: [illegible]
Matrix: [illegible]

[illegible]

Analyte	Result	Units	Qual	RL	MCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	[illegible]
Acrylonitrile	ND	ug/L		20		SW8260B	[illegible]
Benzene	0.34	ug/L	J	1.0		SW8260B	[illegible]
Bromobenzene	ND	ug/L		1.0		SW8260B	[illegible]
Bromodichloromethane	ND	ug/L		1.0		SW8260B	[illegible]
Bromoform	ND	ug/L		1.0		SW8260B	[illegible]
Bromomethane	ND	ug/L		1.0		SW8260B	[illegible]
Carbon disulfide	ND	ug/L		1.0		SW8260B	[illegible]
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	[illegible]
Chlorobenzene	ND	ug/L		1.0		SW8260B	[illegible]
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	[illegible]
Chloroform	ND	ug/L		1.0		SW8260B	[illegible]
Chloromethane	ND	ug/L		1.0		SW8260B	[illegible]
Chloroprene	ND	ug/L		1.0		SW8260B	[illegible]
2-Chloro-1,3-butadiene	ND	ug/L		1.0		SW8260B	[illegible]
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	[illegible]
Dibromomethane	ND	ug/L		1.0		SW8260B	[illegible]
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	[illegible]
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	[illegible]
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	[illegible]
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	[illegible]
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	[illegible]
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	[illegible]
1,2-Dichloroethene (total)	ND	ug/L		1.0		SW8260B	[illegible]
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	[illegible]
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	[illegible]
1,2-Dichloropropane	0.70	ug/L	J	1.0		SW8260B	[illegible]
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	[illegible]
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	[illegible]
Diisopropylether	ND	ug/L		1.0		SW8260B	[illegible]
2-Hexanone	ND	ug/L		20		SW8260B	[illegible]
Iodomethane	ND	ug/L		1.0		SW8260B	[illegible]
Methyl ethyl ketone	ND	ug/L		20		SW8260B	[illegible]
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	[illegible]
Methylene chloride	0.39	ug/L	J	1.0		SW8260B	[illegible]
Styrene	ND	ug/L		1.0		SW8260B	[illegible]
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	[illegible]
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	[illegible]
Tetrachloroethene	0.34	ug/L	J	1.0		SW8260B	[illegible]
Toluene	ND	ug/L		1.0		SW8260B	[illegible]
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	[illegible]

Legend:
RL - Analyte reporting limit.
DCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

J - Estimated value. The analyte was present but less than the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill
Lab ID: B06031139-003
Client Sample ID: BSB-GW-05

Report Date: 04/07/06
Collection Date: 03/16/06 12:25
Date Received: 03/17/06
Matrix: Ground Water

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
Trichloroethene	0.29	ug/L	J	1.0		SW8260B	03/24/06 15:44 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
Vinyl chloride	1.3	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / sbd
Surr: 1,2-Dichloroethane-d4	98.4	%REC			70-130	SW8260B	03/24/06 15:44 / sbd
Surr: Dibromofluoromethane	102	%REC			77-126	SW8260B	03/24/06 15:44 / sbd
Surr: p-Bromofluorobenzene	106	%REC			76-127	SW8260B	03/24/06 15:44 / sbd
Surr: Toluene-d8	99.6	%REC			79-122	SW8260B	03/24/06 15:44 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Blue Skies Non Public Water Dept

Project: BSB Q01 Analysis

Lab ID: 1409211-001

Client Sample ID: BSB-LW-01

Report Date: 04/09/06

Collection Date: 03/16/06 12:25

Date Received: 03/17/06

Matrix: Ground Water

Analyses	Result	Units	Qual	RL	MCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,1,2 Trichloroethane	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / kcd
Trichloroethene	0.29	ug/L	J	1.0		SW8260B	03/24/06 15:44 / kcd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / kcd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / kcd
Vinyl bromide	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / kcd
Vinyl chloride	1.3	ug/L		1.0		SW8260B	03/24/06 15:44 / kcd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / kcd
o-Xylene	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / kcd
Xylenes, Total	ND	ug/L		1.0		SW8260B	03/24/06 15:44 / kcd
Surr: 4-Bromofluorobenzene	102	%REC			70-130	SW8260B	03/24/06 15:44 / kcd
Surr: Dibromofluoromethane	102	%REC			77-129	SW8260B	03/24/06 15:44 / kcd
Surr: 1,2-Dichloroethane-d4	108	%REC			76-127	SW8260B	03/24/06 15:44 / kcd
Surr: Toluene-d8	99.6	%REC			79-122	SW8260B	03/24/06 15:44 / kcd

Report
Definitions

RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

J - Estimated value. The analyte was positively but less than the reporting limit.

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800-735-4489 • 406-252-6325 • 406-252-6069 fax • eli@energylab.com

LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill
Lab ID: B06031139-004
Client Sample ID: BSB-GW-01

Report Date: 04/07/06
Collection Date: 03/16/06 13:30
Date Received: 03/17/06
Matrix: Ground Water

MBMG-2

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	03/24/06 16:12 / sbd
Acetonitrile	ND	ug/L		20		SW8260B	03/24/06 16:12 / sbd
Acrolein	ND	ug/L		20		SW8260B	03/24/06 16:12 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	03/24/06 16:12 / sbd
Allyl chloride	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
Benzene	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
Chloroprene	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	03/24/06 16:12 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Dena Silver Bow Public Works Dept
Project: BSB Old Landfill
Lab ID: B0303117B-03A
Client Sample ID: BSB-GW-01

Report Date: 04/07/03
Collection Date: 03/18/03 13:20
Date Received: 03/17/03
Matrix: Ground Water

MW-2

Analyte	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	03/24/03 16:12 / sdd
Acetonitrile	ND	ug/L		20		SW8260B	03/24/03 16:12 / sdd
Acrolein	ND	ug/L		20		SW8260B	03/24/03 16:12 / sdd
Acrylonitrile	ND	ug/L		20		SW8260B	03/24/03 16:12 / sdd
Allyl chloride	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
Benzene	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
Bromobenzene	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
Bromochloromethane	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
Bromoform	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
Bromomethane	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
Carbon disulfide	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
Chlorobenzene	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
Chloroethane	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
Chloroform	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
Chloromethane	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
Chloroprene	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
Dibromomethane	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
Diallylamine	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
Dimethylamine	ND	ug/L		1.0		SW8260B	03/24/03 16:12 / sdd
1,4-Dioxane	ND	ug/L		20		SW8260B	03/24/03 16:12 / sdd
2-Hexanone	ND	ug/L		20		SW8260B	03/24/03 16:12 / sdd

Report = RL, Analyte reporting limit
Reference = QCL, Quality control limit

MCL = Maximum contaminant level
ND = Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill
Lab ID: B06031139-004
Client Sample ID: BSB-GW-01

Report Date: 04/07/06
Collection Date: 03/16/06 13:30
Date Received: 03/17/06
Matrix: Ground Water

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Iodomethane	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
Isobutanol	ND	ug/L		50		SW8260B	03/24/06 16:12 / sbd
Methacrylonitrile	ND	ug/L		20		SW8260B	03/24/06 16:12 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	03/24/06 16:12 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	03/24/06 16:12 / sbd
Methyl methacrylate	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
Naphthalene	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
Pentachloroethane	ND	ug/L		2.0		SW8260B	03/24/06 16:12 / sbd
Propionitrile	ND	ug/L		20		SW8260B	03/24/06 16:12 / sbd
Styrene	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
Toluene	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / sbd
Surr: 1,2-Dichloroethane-d4	96.4	%REC			70-130	SW8260B	03/24/06 16:12 / sbd
Surr: Dibromofluoromethane	101	%REC			77-126	SW8260B	03/24/06 16:12 / sbd
Surr: p-Bromofluorobenzene	105	%REC			76-127	SW8260B	03/24/06 16:12 / sbd
Surr: Toluene-d8	100	%REC			79-122	SW8260B	03/24/06 16:12 / sbd
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4,5-Tetrachlorobenzene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
1,2-Dichlorobenzene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
1,3,5-Trinitrobenzene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
1,3-Dinitrobenzene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
1,4-Benzenediamine	ND	ug/L	P			SW8270C	03/24/06 18:44 / dsm
1,4-Dichlorobenzene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
1,4-Naphthoquinone	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

ENVIROTECH LABORATORIES, INC. • 20 Ore Road • 1120 Ocean Drive • Bangor, ME 04401
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LABORATORY ANALYTICAL REPORT

Client: Bath Sewer Line Pipe Wash Co.
Project: BSB Old Landfill
Lab ID: B0001119-004
Client Sample ID: BSB-GW-01

Report Date: 04/07/06
Collection Date: 02/15/06 13:30
Date Received: 03/17/06
Matrix: Ground Water

Analyte	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Benzene	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / kbd
Toluene	ND	ug/L		50		SW8260B	03/24/06 16:12 / kbd
Methylene chloride	ND	ug/L		20		SW8260B	03/24/06 16:12 / kbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	03/24/06 16:12 / kbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	03/24/06 16:12 / kbd
Methyl methacrylate	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / kbd
Methylene chloride	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / kbd
Naphthalene	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / kbd
Pentachloroethane	ND	ug/L		2.0		SW8260B	03/24/06 16:12 / kbd
Propionitrile	ND	ug/L		20		SW8260B	03/24/06 16:12 / kbd
Styrene	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / kbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / kbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / kbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / kbd
Toluene	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / kbd
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / kbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / kbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / kbd
Trichloroethene	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / kbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / kbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / kbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / kbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / kbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / kbd
o-Xylene	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / kbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	03/24/06 16:12 / kbd
Surr: 1,2-Dichloroethane-d4	98.4	%REC			70-120	SW8260B	03/24/06 16:12 / kbd
Surr: Dibromofluoromethane	101	%REC			72-128	SW8260B	03/24/06 16:12 / kbd
Surr: p-Bromofluorobenzene	102	%REC			78-127	SW8260B	03/24/06 16:12 / kbd
Surr: Toluene-d8	100	%REC			78-122	SW8260B	03/24/06 16:12 / kbd
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4,5-Tetrachlorobenzene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
1,2-Dichlorobenzene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
1,2,5-Trichlorobenzene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
1,3-Dinitrobenzene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
1,4-Dichlorobenzene	ND	ug/L				SW8270C	03/24/06 18:44 / dsm
1,4-Naphthoquinone	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
1,4-Dichlorobenzene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm

Report RL - Analyte reporting limit.
Definitions QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

- Post method performance. Method validation shows known recoveries at low levels or erratic method performance.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill
Lab ID: B06031139-004
Client Sample ID: BSB-GW-01

Report Date: 04/07/06
Collection Date: 03/16/06 13:30
Date Received: 03/17/06
Matrix: Ground Water

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
1-Methylnaphthalene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
1-Naphthylamine	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
2,3,4,6-Tetrachlorophenol	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
2,4,5-Trichlorophenol	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
2,4,6-Trichlorophenol	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
2,4-Dichlorophenol	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
2,4-Dimethylphenol	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
2,4-Dinitrophenol	ND	ug/L		50		SW8270C	03/24/06 18:44 / dsm
2,4-Dinitrotoluene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
2,6-Dichlorophenol	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
2,6-Dinitrotoluene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
2-Acetylaminofluorene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
2-Chloronaphthalene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
2-Chlorophenol	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
2-Methylnaphthalene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
2-Naphthylamine	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
2-Nitroaniline	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
2-Nitrophenol	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
2-Picoline	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
3,3´-Dichlorobenzidine	ND	ug/L		20		SW8270C	03/24/06 18:44 / dsm
3,3´-Dimethylbenzidine	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
3-Methylcholanthrene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
3-Nitroaniline	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
4,6-Dinitro-2-methylphenol	ND	ug/L		50		SW8270C	03/24/06 18:44 / dsm
4-Aminobiphenyl	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
4-Bromophenyl phenyl ether	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
4-Chloro-2-methylphenol	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
4-Chloro-3-methylphenol	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
4-Chlorophenol	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
4-Chlorophenyl phenyl ether	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
4-Nitroaniline	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
4-Nitrophenol	ND	ug/L		50		SW8270C	03/24/06 18:44 / dsm
4-Nitroquinoline-n-oxide	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
5-Nitro-o-toluidine	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
7,12-Dimethylbenz(a)anthracene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
a,a-Dimethylphenethylamine	ND	ug/L	P			SW8270C	03/24/06 18:44 / dsm
Acenaphthene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Acenaphthylene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Acetophenone	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Aniline	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Anthracene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Bluie Silver Blue Public Works Dept.
Project: BSB Oil Leak
Lab ID: B0501125-001
Client Sample ID: 1238-OW-01

Report Date: 06/07/05
Collection Date: 05/18/05 13:30
Date Received: 05.17.05
Matrix: Ground Water

Analyte	Result	Units	Qual	RL	MCL	Method	Analysis Date / By
EPA 601-VOLATILE ORGANIC COMPOUNDS							
1,1,1-Trichloroethane	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
1,1-Dichloroethane	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
1,2,4,5-Tetrachlorobenzene	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
1,2,3-Trichlorobenzene	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
1,2,3-Trichloropropane	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
1,2-Dibromoethane	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
1,2-Dichlorobenzene	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
1,2-Dichloroethane	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
1,3-Dichlorobenzene	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
1,3-Dichloropropane	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
1,4-Dichlorobenzene	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
2,2-Dichloropropane	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
2-Chlorotoluene	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
4-Chlorotoluene	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
Benzene	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
Bromobenzene	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
Bromochloromethane	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
Bromodichloromethane	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
Bromoform	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
Bromomethane	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
Carbon tetrachloride	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
Chlorobenzene	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
Chloroethane	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
Chloroform	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
Chloromethane	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
cis-1,2-Dichloroethylene	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
cis-1,3-Dichloropropene	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
Dibromomethane	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
Dichlorodifluoromethane	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
Ethylbenzene	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
Methylene chloride	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
Naphthalene	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
n-Butylbenzene	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
n-Propylbenzene	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
sec-Butylbenzene	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
Styrene	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
tert-Butylbenzene	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
Tetrachloroethylene	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
Toluene	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
trans-1,2-Dichloroethylene	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
trans-1,3-Dichloropropene	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
Trichloroethylene	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
Trichlorofluoromethane	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
Vinyl chloride	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
Xylene	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
Xylene (o-)	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam
Xylene (m,p-)	ND	ug/L		10		SW8260C	05/24/05 18:44 / dam

Report RL - Analyte reporting limit
Definitions: QCL - Quality control limit
MCL - Maximum contaminant level
ND - Not detected at the reporting limit

Qual: P - Poor matrix interference. Matrix validation has a strong no impact on individual at low levels or unsuccessfully performed.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill
Lab ID: B06031139-004
Client Sample ID: BSB-GW-01

Report Date: 04/07/06
Collection Date: 03/16/06 13:30
Date Received: 03/17/06
Matrix: Ground Water

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Aramite	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Azobenzene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Benzidine	ND	ug/L		20		SW8270C	03/24/06 18:44 / dsm
Benzo(a)anthracene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Benzo(a)pyrene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Benzo(b)fluoranthene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Benzo(g,h,i)perylene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Benzo(k)fluoranthene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Benzyl alcohol	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
bis(-2-chloroethoxy)Methane	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
bis(-2-chloroethyl)Ether	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
bis(2-chloroisopropyl)Ether	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
bis(2-ethylhexyl)Phthalate	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Butylbenzylphthalate	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Chlorobenzilate	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Chrysene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Diallate	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Dibenzo(a,h)anthracene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Dibenzofuran	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Diethyl phthalate	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Dimethoate	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Dimethyl phthalate	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Di-n-butyl phthalate	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Di-n-octyl phthalate	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Diphenylamine	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Disulfoton	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Ethyl methanesulfonate	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Famphur	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Fluoranthene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Fluorene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Hexachlorobenzene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Hexachlorobutadiene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Hexachlorocyclopentadiene	ND	ug/L		20		SW8270C	03/24/06 18:44 / dsm
Hexachloroethane	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Hexachlorophene	ND	ug/L	P			SW8270C	03/24/06 18:44 / dsm
Hexachloropropene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Indeno(1,2,3-cd)pyrene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Isophorone	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Isosafrole	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
m+p-Cresols	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Methapyrilene	ND	ug/L	P			SW8270C	03/24/06 18:44 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Blue Silver Bee Public Works Dept
Project: HSB Old Landfill
Lab ID: R0601117-06a
Client Sample ID: DEC-GW-01

Report Date: 06/07/06
Collection Date: 03/14/06 12:30
Date Received: 03/17/06
Matrix: Ground Water

Analyte	Result	Units	Qual	RL	QCL	MCL/ Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
Acetophenone	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
Benzidine	ND	ug/L		20		SW8270C	03/24/06 18:44 / dam
Benzoic acid/anhydride	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
Benzyl alcohol	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
Bis(2-chloroethoxy)methane	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
Bis(2-chloroethyl)ether	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
Bis(2-chloroisopropyl)ether	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
Bis(2-ethylhexyl)phthalate	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
Butyl benzylphthalate	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
2-Chloronaphthalene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
2-Chlorophenol	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
4-Chlorophenyl phenyl ether	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
Chrysene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
Cresols	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
Dibenzo(a,h)anthracene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
Dibenzofuran	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
Diethyl phthalate	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
Dimethoate	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
Dimethyl phthalate	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
Di-n-butyl phthalate	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
Di-n-octyl phthalate	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
Diphenylamine	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
Disulfoton	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
Ethyl methanesulfonate	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
Famphur	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
Fluoranthene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
Fluorene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
Hexachlorobenzene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
Hexachlorobutadiene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
Hexachlorocyclopentadiene	ND	ug/L		20		SW8270C	03/24/06 18:44 / dam
Hexachloroethane	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
Hexachlorophene	ND	ug/L				SW8270C	03/24/06 18:44 / dam
Hexachloropropene	ND	ug/L				SW8270C	03/24/06 18:44 / dam
Indeno(1,2,3-cd)pyrene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
Isophorone	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
Isosafrole	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
Methapyrilene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
Methyl methanesulfonate	ND	ug/L		10		SW8270C	03/24/06 18:44 / dam
3-Methylcholanthrene	ND	ug/L				SW8270C	03/24/06 18:44 / dam

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
R - Poor method performance. Method validation have shown no recoveries at low levels or analyte reported below RL.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill
Lab ID: B06031139-004
Client Sample ID: BSB-GW-01

Report Date: 04/07/06
Collection Date: 03/16/06 13:30
Date Received: 03/17/06
Matrix: Ground Water

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Methyl methanesulfonate	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Methyl parathion	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Naphthalene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Nitrobenzene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
n-Nitrosodiethylamine	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
n-Nitrosodimethylamine	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
n-Nitroso-di-n-butylamine	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
n-Nitroso-di-n-propylamine	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
n-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
n-Nitrosomethylethylamine	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
n-Nitrosomorpholine	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
n-Nitrosopiperidine	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
n-Nitrosopyrrolidine	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
o,o,o-Triethyl phosphorothioate	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
o-Cresol	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
o-Toluidine	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
p-(dimethylamino)Azobenzene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Parathion	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
p-Chloroaniline	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Pentachlorobenzene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Pentachloronitrobenzene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Pentachlorophenol	ND	ug/L		50		SW8270C	03/24/06 18:44 / dsm
Phenacetin	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Phenanthrene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Phenol	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Phorate	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Pronamide	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Pyrene	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Pyridine	ND	ug/L		20		SW8270C	03/24/06 18:44 / dsm
Safrole	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Sulfotep	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Thionazin	ND	ug/L		10		SW8270C	03/24/06 18:44 / dsm
Surr: 2,4,6-Tribromophenol	72.0	%REC			10-123	SW8270C	03/24/06 18:44 / dsm
Surr: 2-Fluorobiphenyl	73.0	%REC			43-116	SW8270C	03/24/06 18:44 / dsm
Surr: 2-Fluorophenol	45.2	%REC			21-100	SW8270C	03/24/06 18:44 / dsm
Surr: Nitrobenzene-d5	66.7	%REC			35-114	SW8270C	03/24/06 18:44 / dsm
Surr: Phenol-d5	36.9	%REC			10-94	SW8270C	03/24/06 18:44 / dsm
Surr: Terphenyl-d14	87.9	%REC			33-141	SW8270C	03/24/06 18:44 / dsm
8081A-ORGANOCHLORINE PESTICIDES							
4,4'-DDD	ND	ug/L		0.050		SW8081A	04/03/06 15:39 / ldw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Sunn Silver Dew Public Water Dept.
Project: BSB Old Lambda
Lab ID: B06071139-004
Client Sample ID: 0SB-GW-01

Report Date: 06/07/06
Collection Date: 05/18/06 13:30
Date Received: 05/19/06
Matrix: Ground Water

Analyses	Result	Units	Qual	RL	QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Methyl methanesulfonate	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
Methyl parathion	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
Naphthalene	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
Naproxen	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
1-Naphthylamine	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
2-Naphthylamine	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
n-Nitrosodiethylamine	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
n-Nitrosodimethylamine	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
n-Nitrosodi-n-butylamine	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
n-Nitrosodi-n-propylamine	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
n-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
n-Nitrosomethylethylamine	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
n-Nitrosomorpholine	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
n-Nitrosopiperidine	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
n-Nitrosopyrrolidine	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
n-Nitrosoethylphenylamine	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
n-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
n-Nitrosodipropylamine	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
o,o,o-Triethyl phosphorothioate	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
o-Cresol	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
o-Toluidine	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
p-Chloro-m-cresol	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
Parathion	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
p-Chloroaniline	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
Pentachlorobenzene	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
Pentachloroethane	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
Pentachlorophenol	ND	ug/L		50		SW8270C	05/24/06 18:44 / dam
Phenacetin	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
Phenanthrene	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
Phenol	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
Phorate	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
Phosphamidon	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
Pronamide	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
Pyrene	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
Pyridine	ND	ug/L		20		SW8270C	05/24/06 18:44 / dam
Safrole	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
Sulfotep	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
Thionazin	ND	ug/L		10		SW8270C	05/24/06 18:44 / dam
Surr: 2,4,6-Tribromophenol	72.0	%REC		10-123		SW8270C	05/24/06 18:44 / dam
Surr: 2-Fluorobiphenyl	73.0	%REC		43-116		SW8270C	05/24/06 18:44 / dam
Surr: 2-Fluorophenol	46.3	%REC		21-100		SW8270C	05/24/06 18:44 / dam
Surr: Nitrobenzene-d5	69.7	%REC		35-114		SW8270C	05/24/06 18:44 / dam
Surr: Phenol-d5	38.8	%REC		10-94		SW8270C	05/24/06 18:44 / dam
Surr: Terphenyl-d14	87.9	%REC		33-141		SW8270C	05/24/06 18:44 / dam
SOLVENT-ORGANOCHLORINE PESTICIDES							
44-DDD	ND	ug/L		0.050		SW8081A	06/02/06 13:30 / lke

Report RL - Analyte reporting limit.
Definitions QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

ENERGY LABORATORIES

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800-735-4489 • 406-252-6325 • 406-252-6069 fax • eli@energylab.com

LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill
Lab ID: B06031139-004
Client Sample ID: BSB-GW-01

Report Date: 04/07/06
Collection Date: 03/16/06 13:30
Date Received: 03/17/06
Matrix: Ground Water

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
8081A-ORGANOCHLORINE PESTICIDES							
4,4'-DDE	ND	ug/L		0.050		SW8081A	04/03/06 15:39 / ldw
4,4'-DDT	ND	ug/L		0.050		SW8081A	04/03/06 15:39 / ldw
Aldrin	ND	ug/L		0.050		SW8081A	04/03/06 15:39 / ldw
alpha-BHC	ND	ug/L		0.050		SW8081A	04/03/06 15:39 / ldw
alpha-Chlordane	ND	ug/L		0.050		SW8081A	04/03/06 15:39 / ldw
beta-BHC	ND	ug/L		0.050		SW8081A	04/03/06 15:39 / ldw
Chlordane	ND	ug/L		0.50		SW8081A	04/03/06 15:39 / ldw
delta-BHC	ND	ug/L		0.050		SW8081A	04/03/06 15:39 / ldw
Dieldrin	ND	ug/L		0.050		SW8081A	04/03/06 15:39 / ldw
Endosulfan I	ND	ug/L		0.050		SW8081A	04/03/06 15:39 / ldw
Endosulfan II	ND	ug/L		0.050		SW8081A	04/03/06 15:39 / ldw
Endosulfan sulfate	ND	ug/L		0.050		SW8081A	04/03/06 15:39 / ldw
Endrin	ND	ug/L		0.050		SW8081A	04/03/06 15:39 / ldw
Endrin aldehyde	ND	ug/L		0.050		SW8081A	04/03/06 15:39 / ldw
Endrin ketone	ND	ug/L		0.050		SW8081A	04/03/06 15:39 / ldw
gamma-BHC (Lindane)	ND	ug/L		0.050		SW8081A	04/03/06 15:39 / ldw
gamma-Chlordane	ND	ug/L		0.050		SW8081A	04/03/06 15:39 / ldw
Heptachlor	ND	ug/L		0.050		SW8081A	04/03/06 15:39 / ldw
Heptachlor epoxide	ND	ug/L		0.050		SW8081A	04/03/06 15:39 / ldw
Isodrin	ND	ug/L		0.050		SW8081A	04/03/06 15:39 / ldw
Kepone	ND	ug/L		0.10		SW8081A	04/03/06 15:39 / ldw
Methoxychlor	ND	ug/L		0.050		SW8081A	04/03/06 15:39 / ldw
Toxaphene	ND	ug/L		5.0		SW8081A	03/31/06 22:42 / ldw
Surr: Decachlorobiphenyl	64.0	%REC			44-119	SW8081A	04/03/06 15:39 / ldw
Surr: Tetrachloro-m-xylene	60.5	%REC			40-120	SW8081A	04/03/06 15:39 / ldw
HERBICIDES, CHLORINATED							
2,4-D	ND	ug/L		1.0		SW8151A	03/23/06 22:51 / jkh
Dinoseb	ND	ug/L		1.0		SW8151A	03/23/06 22:51 / jkh
2,4,5-T	ND	ug/L		0.20		SW8151A	03/23/06 22:51 / jkh
2,4,5-TP (Silvex)	ND	ug/L		0.20		SW8151A	03/23/06 22:51 / jkh
Surr: DCAA	72.5	%REC			57-125	SW8151A	03/23/06 22:51 / jkh
POLYCHLORINATED BIPHENYLS (PCB'S)							
Aroclor 1016	ND	ug/L		0.50		SW8082	03/31/06 22:42 / ldw
Aroclor 1221	ND	ug/L		0.50		SW8082	03/31/06 22:42 / ldw
Aroclor 1232	ND	ug/L		0.50		SW8082	03/31/06 22:42 / ldw
Aroclor 1242	ND	ug/L		0.50		SW8082	03/31/06 22:42 / ldw
Aroclor 1248	ND	ug/L		0.50		SW8082	03/31/06 22:42 / ldw
Aroclor 1254	ND	ug/L		0.50		SW8082	03/31/06 22:42 / ldw
Aroclor 1260	ND	ug/L		0.50		SW8082	03/31/06 22:42 / ldw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Bob Silver Pine Pitts Valley Dept
Project: 8310 Old Lizard
Lab ID: D0000111234-004
Client Sample ID: 8310-CW-01

Report Date: 06/07/06
Collection Date: 06/06/06 12:30
Date Received: 06/07/06
Matrix: Ground Water

Analyte	Result	Units	Qual	MCL/ RL/ QCL	Method	Analysis Date / By
8021B-ORGANOCHLORINE PESTICIDES						
4,4'-DDE	ND	ug/L		0.050	SW8021B	06/09/06 10:30 / kw
4,4'-DDT	ND	ug/L		0.050	SW8021B	06/09/06 10:30 / kw
Aldrin	ND	ug/L		0.050	SW8021B	06/09/06 10:30 / kw
alpha-BHC	ND	ug/L		0.050	SW8021B	06/09/06 10:30 / kw
alpha-Chlordane	ND	ug/L		0.050	SW8021B	06/09/06 10:30 / kw
beta-BHC	ND	ug/L		0.050	SW8021B	06/09/06 10:30 / kw
Chlordane	ND	ug/L		0.50	SW8021B	06/09/06 10:30 / kw
delta-BHC	ND	ug/L		0.050	SW8021B	06/09/06 10:30 / kw
Dieldrin	ND	ug/L		0.050	SW8021B	06/09/06 10:30 / kw
Endosulfan I	ND	ug/L		0.050	SW8021B	06/09/06 10:30 / kw
Endosulfan II	ND	ug/L		0.050	SW8021B	06/09/06 10:30 / kw
Endosulfan sulfate	ND	ug/L		0.050	SW8021B	06/09/06 10:30 / kw
Endrin	ND	ug/L		0.050	SW8021B	06/09/06 10:30 / kw
Endrin aldehyde	ND	ug/L		0.050	SW8021B	06/09/06 10:30 / kw
Endrin ketone	ND	ug/L		0.050	SW8021B	06/09/06 10:30 / kw
gamma-BHC (Lindane)	ND	ug/L		0.050	SW8021B	06/09/06 10:30 / kw
gamma-Chlordane	ND	ug/L		0.050	SW8021B	06/09/06 10:30 / kw
Heptachlor	ND	ug/L		0.050	SW8021B	06/09/06 10:30 / kw
Heptachlor epoxide	ND	ug/L		0.050	SW8021B	06/09/06 10:30 / kw
Methoxychlor	ND	ug/L		0.050	SW8021B	06/09/06 10:30 / kw
Toxaphene	ND	ug/L		5.0	SW8021B	06/09/06 10:30 / kw
Surr: Decachlorobiphenyl	84.3	%REC		44-119	SW8021B	06/09/06 10:30 / kw
Surr: Tetrachloro-m-xylene	80.5	%REC		46-120	SW8021B	06/09/06 10:30 / kw
HERBICIDES, CHLORINATED						
2,4-D	ND	ug/L		1.0	SW8151A	06/23/06 22:24 / kh
Dicamba	ND	ug/L		1.0	SW8151A	06/23/06 22:24 / kh
2,4,5-T	ND	ug/L		0.20	SW8151A	06/23/06 22:24 / kh
2,4,5-TP (Silvex)	ND	ug/L		0.20	SW8151A	06/23/06 22:24 / kh
Surr: DCAA	72.4	%REC		57-120	SW8151A	06/23/06 22:24 / kh
POLYCHLORINATED BIPHENYLS (PCB'S)						
Aroclor 1016	ND	ug/L		0.50	SW8082	06/08/06 22:42 / kw
Aroclor 1221	ND	ug/L		0.50	SW8082	06/08/06 22:42 / kw
Aroclor 1232	ND	ug/L		0.50	SW8082	06/08/06 22:42 / kw
Aroclor 1242	ND	ug/L		0.50	SW8082	06/08/06 22:42 / kw
Aroclor 1248	ND	ug/L		0.50	SW8082	06/08/06 22:42 / kw
Aroclor 1254	ND	ug/L		0.50	SW8082	06/08/06 22:42 / kw
Aroclor 1260	ND	ug/L		0.50	SW8082	06/08/06 22:42 / kw

Report RL - Analyte reporting limit.
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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill
Lab ID: B06031139-004
Client Sample ID: BSB-GW-01

Report Date: 04/07/06
Collection Date: 03/16/06 13:30
Date Received: 03/17/06
Matrix: Ground Water

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
POLYCHLORINATED BIPHENYLS (PCB'S)							
Aroclor 1262	ND	ug/L		0.50		SW8082	03/31/06 22:42 / ldw
Aroclor 1268	ND	ug/L		0.50		SW8082	03/31/06 22:42 / ldw
Surr: Decachlorobiphenyl	47.4	%REC			44-119	SW8082	03/31/06 22:42 / ldw
Surr: Tetrachloro-m-xylene	57.0	%REC			40-120	SW8082	03/31/06 22:42 / ldw

Report Definitions:
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MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill
Lab ID: B06031139-005
Client Sample ID: Trip Blank

Report Date: 04/07/06
Collection Date: 03/16/06 11:45
Date Received: 03/17/06
Matrix: Trip Blank

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	03/24/06 16:41 / sbd
Acetonitrile	ND	ug/L		20		SW8260B	03/24/06 16:41 / sbd
Acrolein	ND	ug/L		20		SW8260B	03/24/06 16:41 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	03/24/06 16:41 / sbd
Allyl chloride	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
Benzene	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
Chloroprene	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	03/24/06 16:41 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Bluth Sibley Bow Public Works Dept.
Project: BOB Old Landfill
Lab ID: D0603123456
Client Sample ID: Trip Blank

Report Date: 06/24/06
Collection Date: 06/16/06 11:15
Date Received: 06/17/06
Matrix: Trip Blank

Analyte	Result	Units	Qual	RL	MCL	QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS								
Benzene	ND	ug/L		20			SW8260B	06/24/06 16:47 / sbd
Ethylbenzene	ND	ug/L		20			SW8260B	06/24/06 16:47 / sbd
Toluene	ND	ug/L		20			SW8260B	06/24/06 16:47 / sbd
Xylenes, total	ND	ug/L		20			SW8260B	06/24/06 16:47 / sbd
Methyl tert-butyl ether (MTBE)	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
Bromobenzene	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
Bromochloromethane	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
Bromodichloromethane	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
Bromoform	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
Bromomethane	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
n-Butylbenzene	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
sec-Butylbenzene	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
tert-Butylbenzene	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
Carbon tetrachloride	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
Chlorobenzene	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
Chloroethane	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
Chloroform	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
Chloromethane	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
2-Chlorotoluene	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
4-Chlorotoluene	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
Dibromochloromethane	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
1,2-Dibromoethane	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
Dibromomethane	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
1,3-Dichlorobenzene	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
1,1-Dichloroethane	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
1,2-Dichloroethane	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
1,1-Dichloroethene	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
1,2-Dichloropropane	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
1,3-Dichloropropane	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
2,2-Dichloropropane	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
1,1-Dichloropropene	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
Diethylether	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
Ethyl methacrylate	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
Hexachlorobutadiene	ND	ug/L		1.0			SW8260B	06/24/06 16:47 / sbd
2-Hexanone	ND	ug/L		20			SW8260B	06/24/06 16:47 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill
Lab ID: B06031139-005
Client Sample ID: Trip Blank

Report Date: 04/07/06
Collection Date: 03/16/06 11:45
Date Received: 03/17/06
Matrix: Trip Blank

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Iodomethane	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
Isobutanol	ND	ug/L		50		SW8260B	03/24/06 16:41 / sbd
Methacrylonitrile	ND	ug/L		20		SW8260B	03/24/06 16:41 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	03/24/06 16:41 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	03/24/06 16:41 / sbd
Methyl methacrylate	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
Naphthalene	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
Pentachloroethane	ND	ug/L		2.0		SW8260B	03/24/06 16:41 / sbd
Propionitrile	ND	ug/L		20		SW8260B	03/24/06 16:41 / sbd
Styrene	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
Toluene	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	03/24/06 16:41 / sbd
Surr: 1,2-Dichloroethane-d4	97.6	%REC			70-130	SW8260B	03/24/06 16:41 / sbd
Surr: Dibromofluoromethane	101	%REC			77-126	SW8260B	03/24/06 16:41 / sbd
Surr: p-Bromofluorobenzene	106	%REC			76-127	SW8260B	03/24/06 16:41 / sbd
Surr: Toluene-d8	101	%REC			79-122	SW8260B	03/24/06 16:41 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Tech
Project: BSB Old Landfill
Lab ID: B0001112-002
Client Sample Info: Trip Blank

Report Date: 06/07/08
Collection Date: 03/17/08 11:45
Date Received: 03/17/08
Matrix: Trip Blank

Analyses	Result	Units	Qual	RL	QCL	MCL/ Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Bromobenzene	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
Bromodichloromethane	ND	ug/L		50		SW8260B	03/24/08 16:41 / sbd
Bromoform	ND	ug/L		20		SW8260B	03/24/08 16:41 / sbd
Bromomethane	ND	ug/L		20		SW8260B	03/24/08 16:41 / sbd
Carbon tetrachloride	ND	ug/L		20		SW8260B	03/24/08 16:41 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
2-Chlorotoluene	ND	ug/L		2.0		SW8260B	03/24/08 16:41 / sbd
4-Chlorotoluene	ND	ug/L		20		SW8260B	03/24/08 16:41 / sbd
Dibromochloromethane	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
Isopropylbenzene	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
n-Propylbenzene	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
Styrene	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
Toluene	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
Xylene, Total	ND	ug/L		1.0		SW8260B	03/24/08 16:41 / sbd
Surr: 1,2-Dichlorobenzene-d4	97.6	%REC		70-130		SW8260B	03/24/08 16:41 / sbd
Surr: Dibromofluoromethane	101	%REC		72-134		SW8260B	03/24/08 16:41 / sbd
Surr: p-Bromofluorobenzene	100	%REC		78-127		SW8260B	03/24/08 16:41 / sbd
Surr: Toluene-d8	101	%REC		79-122		SW8260B	03/24/08 16:41 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill

Report Date: 04/04/06
Work Order: B06031139

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8081A									Batch: 20270
Sample ID: MB-20270	Method Blank				Run: AECD.I_060331A				03/31/06 18:48
Toxaphene	ND	ug/L	5.0						
Surr: Decachlorobiphenyl			0.050	90.5	44	119			
Surr: Tetrachloro-m-xylene			0.050	65	40	120			
Sample ID: LCS3-20270	Laboratory Control Spike				Run: AECD.I_060331A				03/31/06 20:28
Toxaphene	4.29	ug/L	5.0	85.8	51	119			
Surr: Decachlorobiphenyl			0.050	87	44	119			
Surr: Tetrachloro-m-xylene			0.050	60.5	40	120			
Sample ID: MB-20270	Method Blank				Run: BECD.I_060403A				04/03/06 12:52
4,4´-DDD	ND	ug/L	0.050						
4,4´-DDE	ND	ug/L	0.050						
4,4´-DDT	ND	ug/L	0.050						
Aldrin	ND	ug/L	0.050						
alpha-BHC	ND	ug/L	0.050						
alpha-Chlordane	ND	ug/L	0.050						
beta-BHC	ND	ug/L	0.050						
Chlordane	ND	ug/L	0.50						
delta-BHC	ND	ug/L	0.050						
Dieldrin	ND	ug/L	0.050						
Endosulfan I	ND	ug/L	0.050						
Endosulfan II	ND	ug/L	0.050						
Endosulfan sulfate	ND	ug/L	0.050						
Endrin	ND	ug/L	0.050						
Endrin aldehyde	ND	ug/L	0.050						
Endrin ketone	ND	ug/L	0.050						
gamma-BHC (Lindane)	ND	ug/L	0.050						
gamma-Chlordane	ND	ug/L	0.050						
Heptachlor	ND	ug/L	0.050						
Heptachlor epoxide	ND	ug/L	0.050						
Isodrin	ND	ug/L	0.050						
Kepone	ND	ug/L	0.10						
Methoxychlor	ND	ug/L	0.050						
Surr: Decachlorobiphenyl			0.050	91.5	44	119			
Surr: Tetrachloro-m-xylene			0.050	54	40	120			
Sample ID: LCS-20270	Laboratory Control Spike				Run: BECD.I_060403A				04/03/06 13:25
4,4´-DDD	0.842	ug/L	0.050	84.2	69	125			
4,4´-DDE	0.845	ug/L	0.050	84.5	52	137			
4,4´-DDT	0.840	ug/L	0.050	84	69	131			
Aldrin	0.821	ug/L	0.050	82.1	58	111			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill

Report Date: 04/04/06
Work Order: B0503113Y

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPD Limit	Qual
Method: SW8081A									Batch: 20270
Sample ID: MB-20270	Method Blank				Run: AECD_060331A				03/31/06 18:48
Toxaphene	ND	ug/L	5.0						
Surr: Decachlorobiphenyl			0.050	90.5	44	119			
Surr: Tetrachloro-m-xylene			0.050	85	40	120			
Sample ID: LCS-20270	Laboratory Control Spike				Run: AECD_060331A				03/31/06 20:28
Toxaphene	4.29	ug/L	5.0	53.8	51	119			
Surr: Decachlorobiphenyl			0.050	87	44	119			
Surr: Tetrachloro-m-xylene			0.050	80.5	40	120			
Sample ID: MB-20270	Method Blank				Run: BECD_060403A				04/03/06 12:52
4,4'-DDD	ND	ug/L	0.050						
4,4'-DDE	ND	ug/L	0.050						
4,4'-DDT	ND	ug/L	0.050						
Aldrin	ND	ug/L	0.050						
alpha-BHC	ND	ug/L	0.050						
alpha-Chlordane	ND	ug/L	0.050						
beta-BHC	ND	ug/L	0.050						
Chlordane	ND	ug/L	0.50						
delta-BHC	ND	ug/L	0.050						
Dieldrin	ND	ug/L	0.050						
Endosulfan I	ND	ug/L	0.050						
Endosulfan II	ND	ug/L	0.050						
Endosulfan sulfate	ND	ug/L	0.050						
Endrin	ND	ug/L	0.050						
Endrin aldehyde	ND	ug/L	0.050						
Endrin ketone	ND	ug/L	0.050						
gamma-BHC (Lindane)	ND	ug/L	0.050						
gamma-Chlordane	ND	ug/L	0.050						
Heptachlor	ND	ug/L	0.050						
Heptachlor epoxide	ND	ug/L	0.050						
Isodrin	ND	ug/L	0.050						
Kepone	ND	ug/L	0.10						
Methoxychlor	ND	ug/L	0.050						
Surr: Decachlorobiphenyl			0.050	91.5	44	119			
Surr: Tetrachloro-m-xylene			0.050	54	40	120			
Sample ID: LCS-20270	Laboratory Control Spike				Run: BECD_060403A				04/03/06 13:25
4,4'-DDD	0.842	ug/L	0.050	84.2	69	125			
4,4'-DDE	0.845	ug/L	0.050	84.5	52	137			
4,4'-DDT	0.840	ug/L	0.050	84	69	131			
Aldrin	0.621	ug/L	0.050	62.1	58	111			

Qualifiers:
RL - Analyte reporting limit
ND - Not detected at the reporting limit

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill

Report Date: 04/04/06
Work Order: B06031139

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8081A									Batch: 20270
Sample ID: LCS-20270	Laboratory Control Spike				Run: BECD.I_060403A				04/03/06 13:25
alpha-BHC	0.926	ug/L	0.050	92.6	63	114			
alpha-Chlordane	0.911	ug/L	0.050	91.1	68	115			
beta-BHC	0.909	ug/L	0.050	90.9	62	121			
delta-BHC	0.944	ug/L	0.050	94.4	59	116			
Dieldrin	0.943	ug/L	0.050	94.3	75	130			
Endosulfan I	0.944	ug/L	0.050	94.4	62	129			
Endosulfan II	0.867	ug/L	0.050	86.7	72	124			
Endosulfan sulfate	0.923	ug/L	0.050	92.3	67	124			
Endrin	0.936	ug/L	0.050	93.6	62	143			
Endrin aldehyde	0.817	ug/L	0.050	81.7	50	124			
Endrin ketone	0.980	ug/L	0.050	98	68	134			
gamma-BHC (Lindane)	0.923	ug/L	0.050	92.3	64	118			
gamma-Chlordane	0.899	ug/L	0.050	89.9	68	117			
Heptachlor	0.773	ug/L	0.050	77.3	57	118			
Heptachlor epoxide	0.937	ug/L	0.050	93.7	70	120			
Methoxychlor	0.750	ug/L	0.050	75	63	137			
Surr: Decachlorobiphenyl			0.050	96	44	119			
Surr: Tetrachloro-m-xylene			0.050	60.5	40	120			
Sample ID: B06031139-001BMT	Sample Matrix Spike				Run: BECD.I_060403A				04/03/06 16:46
4,4´-DDD	0.842	ug/L	0.050	84.2	69	125			
4,4´-DDE	0.750	ug/L	0.050	75	52	137			
4,4´-DDT	0.738	ug/L	0.050	73.8	69	131			
Aldrin	0.678	ug/L	0.050	67.8	58	111			
alpha-BHC	0.838	ug/L	0.050	83.8	63	114			
alpha-Chlordane	0.800	ug/L	0.050	80	68	115			
beta-BHC	0.745	ug/L	0.050	74.5	62	121			
delta-BHC	0.786	ug/L	0.050	78.6	59	116			
Dieldrin	0.848	ug/L	0.050	84.8	75	130			
Endosulfan I	0.804	ug/L	0.050	80.4	62	129			
Endosulfan II	0.811	ug/L	0.050	81.1	72	124			
Endosulfan sulfate	0.899	ug/L	0.050	89.9	67	124			
Endrin	0.850	ug/L	0.050	85	62	143			
Endrin aldehyde	0.765	ug/L	0.050	76.5	50	124			
Endrin ketone	0.941	ug/L	0.050	94.1	68	134			
gamma-BHC (Lindane)	0.832	ug/L	0.050	83.2	64	118			
gamma-Chlordane	0.794	ug/L	0.050	79.4	68	117			
Heptachlor	0.671	ug/L	0.050	67.1	57	118			
Heptachlor epoxide	0.839	ug/L	0.050	83.9	70	120			
Methoxychlor	0.654	ug/L	0.050	65.4	63	137			
Surr: Decachlorobiphenyl			0.050	62	44	119			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Dione Silver Bow Public Works Dept.
Project: BSB Old Landfill

Report Date: 04/04/06
Work Orders: E0603139

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Date
Method: SW8015A									Batch: 20270
Sample ID: LCS-20270			Laboratory Control Sample						04/03/06 12:55
alpha-BHC	0.0[illegible]	ug/L							
alpha-Chlordane	0.017	ug/L							
beta-BHC	0.009	ug/L							
delta-BHC	0.094	ug/L							
Dieldrin	0.045	ug/L							
Endosulfan I	0.044	ug/L							
Endosulfan II	0.057	ug/L							
Endosulfan sulfate	0.023	ug/L							
Endrin	0.030	ug/L							
Endrin aldehyde	0.017	ug/L							
Endrin ketone	0.060	ug/L							
gamma-BHC (Lindane)	0.029	ug/L							
gamma-Chlordane	0.029	ug/L							
Heptachlor	0.073	ug/L							
Heptachlor epoxide	0.027	ug/L							
Methoxychlor	0.150	ug/L							
Surr: Decachlorobiphenyl									
Surr: Tetrachloro-m-xylene									
Sample ID: 0603139-01BMS1			Sample Matrix Spike						Run: 8SCCL1_060402A
4,4'-DDD	0.042	ug/L	0.050	84.2	60	130			04/03/06 10:44
4,4'-DDE	0.120	ug/L	0.050	15	52	137			
4,4'-DDT	0.130	ug/L	0.050	75.8	60	131			
Aldrin	0.078	ug/L	0.050	67.3	53	111			
alpha-BHC	0.038	ug/L	0.050	82.8	63	114			
alpha-Chlordane	0.050	ug/L	0.050	80	58	115			
beta-BHC	0.113	ug/L	0.050	72.5	52	127			
delta-BHC	0.130	ug/L	0.050	78.8	50	110			
Dieldrin	0.049	ug/L	0.050	84.8	75	130			
Endosulfan I	0.054	ug/L	0.050	90.4	62	129			
Endosulfan II	0.071	ug/L	0.050	101.1	72	124			
Endosulfan sulfate	0.029	ug/L	0.050	58.8	67	124			
Endrin	0.039	ug/L	0.050	80	62	143			
Endrin aldehyde	0.015	ug/L	0.050	75.5	39	124			
Endrin ketone	0.047	ug/L	0.050	94.1	58	124			
gamma-BHC (Lindane)	0.032	ug/L	0.050	63.2	54	116			
gamma-Chlordane	0.036	ug/L	0.050	72.4	58	117			
Heptachlor	0.041	ug/L	0.050	82.1	57	118			
Heptachlor epoxide	0.032	ug/L	0.050	63.8	70	120			
Methoxychlor	0.054	ug/L	0.050	108.4	53	127			
Surr: Decachlorobiphenyl			0.050	62	44	110			

ND - Not detected at the reporting limit

RL - Analyte reporting limit

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill

Report Date: 04/04/06
Work Order: B06031139

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8081A								Batch: 20270	
Sample ID: B06031139-001BMT	Sample Matrix Spike				Run: BECD.I_060403A			04/03/06 16:46	
Surr: Tetrachloro-m-xylene			0.050	55.5	40	120			
Sample ID: B06031139-001BDT	Sample Matrix Spike Duplicate				Run: BECD.I_060403A			04/03/06 17:20	
4,4'-DDD	0.810	ug/L	0.050	81	69	125	3.9	40	
4,4'-DDE	0.738	ug/L	0.050	73.8	52	137	1.6	40	
4,4'-DDT	0.660	ug/L	0.050	66	69	131	11	40	S
Aldrin	0.720	ug/L	0.050	72	58	111	6.0	40	
alpha-BHC	0.800	ug/L	0.050	80	63	114	4.6	40	
alpha-Chlordane	0.779	ug/L	0.050	77.9	68	115	2.7	40	
beta-BHC	0.689	ug/L	0.050	68.9	62	121	7.8	40	
delta-BHC	0.705	ug/L	0.050	70.5	59	116	11	40	
Dieldrin	0.808	ug/L	0.050	80.8	75	130	4.8	40	
Endosulfan I	0.763	ug/L	0.050	76.3	62	129	5.2	40	
Endosulfan II	0.758	ug/L	0.050	75.8	72	124	6.8	40	
Endosulfan sulfate	0.824	ug/L	0.050	82.4	67	124	8.7	40	
Endrin	0.798	ug/L	0.050	79.8	62	143	6.3	40	
Endrin aldehyde	0.726	ug/L	0.050	72.6	50	124	5.2	40	
Endrin ketone	0.872	ug/L	0.050	87.2	68	134	7.6	40	
gamma-BHC (Lindane)	0.782	ug/L	0.050	78.2	64	118	6.2	40	
gamma-Chlordane	0.774	ug/L	0.050	77.4	68	117	2.6	40	
Heptachlor	0.672	ug/L	0.050	67.2	57	118	0.1	40	
Heptachlor epoxide	0.808	ug/L	0.050	80.8	70	120	3.8	40	
Methoxychlor	0.585	ug/L	0.050	58.5	63	137	11	40	S
Surr: Decachlorobiphenyl			0.050	63.5	44	119			
Surr: Tetrachloro-m-xylene			0.050	55	40	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Pine Silver Bow Public Work Dept
Project: BSB CM Lab#21

Report Date: 04/06/06
Work Order: B0603119

Analyte	Result	Units	RL	MRED	Low Limit	High Limit	RPD	RPD Limit	Qual
Method: SW8021A									Batch: 32070
Sample ID: B0603119-001MQ	Sample Matrix: Solids				Run: BEGCL1_060403A				04/03/06 15:40
Surr: Tetrachloro-m-xylene			0.050	85.5	40	120			
Sample ID: B0603119-001SDT	Sample Matrix: Solids Dilution				Run: BEGCL1_060403A				04/03/06 17:20
1,1-DEB	0.810	ug/L	0.050	61	68	125	3.8	40	
1,1-DCE	0.750	ug/L	0.050	72.6	62	121	1.8	40	
1,1-DCP	0.680	ug/L	0.050	68	69	123	11	40	S
Acetone	0.750	ug/L	0.050	72	58	111	0.0	40	
Benzene	0.800	ug/L	0.050	80	69	116	4.8	40	
Bromobenzene	0.770	ug/L	0.050	77.0	68	115	2.7	40	
Bromochloromethane	0.620	ug/L	0.050	62.0	62	121	7.8	40	
Bromodichloromethane	0.700	ug/L	0.050	70.0	69	118	11	40	
Bromoform	0.800	ug/L	0.050	80.0	73	120	4.8	40	
Bromomethane	0.760	ug/L	0.050	76.0	62	129	8.2	40	
2-Butanone (MEK)	0.720	ug/L	0.050	72.0	72	124	0.0	40	
n-Butylbenzene	0.820	ug/L	0.050	82.0	67	124	6.7	40	
sec-Butylbenzene	0.760	ug/L	0.050	76.0	62	123	8.7	40	
tert-Butylbenzene	0.760	ug/L	0.050	76.0	60	124	8.2	40	
Carbon tetrachloride	0.720	ug/L	0.050	72.0	65	124	7.0	40	
1,2-Dibromo-3-chloropropane	0.760	ug/L	0.050	76.2	64	119	8.2	40	
2-Chlorotoluene (Chlorotoluene)	0.774	ug/L	0.050	77.4	64	117	2.6	40	
4-Chlorotoluene	0.672	ug/L	0.050	67.2	67	117	0.7	40	
Chloroform	0.805	ug/L	0.050	80.5	70	120	3.6	40	
Chloromethane	0.565	ug/L	0.050	56.5	60	127	11	40	S
Surr: Bromofluorobenzene			0.050	83.5	64	114			
Surr: Tetrachloro-m-xylene			0.050	55	40	120			

Qualifiers:
RL - Analyte reporting limit.
S - Spike recovery outside of advisory limits.
ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill

Report Date: 04/04/06
Work Order: B06031139

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8082									Batch: 20270
Sample ID: MB-20270	Method Blank				Run: AECD.I_060331A				03/31/06 18:48
Aroclor 1016	ND	ug/L	0.50						
Aroclor 1221	ND	ug/L	0.50						
Aroclor 1232	ND	ug/L	0.50						
Aroclor 1242	ND	ug/L	0.50						
Aroclor 1248	ND	ug/L	0.50						
Aroclor 1254	ND	ug/L	0.50						
Aroclor 1260	ND	ug/L	0.50						
Aroclor 1262	ND	ug/L	0.50						
Aroclor 1268	ND	ug/L	0.50						
Surr: Decachlorobiphenyl			0.050	90.5	44	119			
Surr: Tetrachloro-m-xylene			0.050	65	40	120			
Sample ID: LCS1-20270	Laboratory Control Spike				Run: AECD.I_060331A				03/31/06 21:02
Aroclor 1248	10.5	ug/L	0.50	105	57	132			
Surr: Decachlorobiphenyl			0.050	81.5	44	119			
Surr: Tetrachloro-m-xylene			0.050	67	40	120			
Sample ID: B06031139-004BMB	Sample Matrix Spike				Run: AECD.I_060331A				04/01/06 00:55
Aroclor 1248	11.8	ug/L	0.50	118	57	132			
Surr: Decachlorobiphenyl			0.050	61.5	44	119			
Surr: Tetrachloro-m-xylene			0.050	69	40	120			
Sample ID: B06031139-004BDB	Sample Matrix Spike Duplicate				Run: AECD.I_060331A				04/01/06 01:28
Aroclor 1248	12.1	ug/L	0.50	121	57	132	2.5	40	
Surr: Decachlorobiphenyl			0.050	69	44	119			
Surr: Tetrachloro-m-xylene			0.050	70	40	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Rutte Silver Bow Public Works Dept.
Project: BSB Oil Launch

Report Date: 01/06/06
Work Order: B0501113

Analyte	Result	Units	RL	MDL	Low Limit	High Limit	RPD	RPD Limit	Date
Method: SW8082									Batch: 20270
Sample ID: BS-020270					Blank Spike			Run: ADCO_L_060224A	02/24/06 18:46
Aroclor 1016	ND	ug/L			0.50				
Aroclor 1221	ND	ug/L			0.50				
Aroclor 1232	ND	ug/L			0.50				
Aroclor 1242	ND	ug/L			0.50				
Aroclor 1248	ND	ug/L			0.50				
Aroclor 1254	ND	ug/L			0.50				
Aroclor 1260	ND	ug/L			0.50				
Aroclor 1262	ND	ug/L			0.50				
Aroclor 1268	ND	ug/L			0.50				
Surr: Decachlorobiphenyl	0.050		50.5		44		116		
Surr: Tetrachloro-m-xylene	0.050		50		40		120		
Sample ID: LCS-020270					Laboratory Control Spike			Run: ADCO_L_060224A	02/24/06 21:02
Aroclor 1248	0.50	ug/L			0.50		107		122
Surr: Decachlorobiphenyl	0.050		51.3		44		116		
Surr: Tetrachloro-m-xylene	0.050		47		40		120		
Sample ID: B0501113-09MSD					Sample Matrix Spike			Run: ADCO_L_060224A	02/24/06 00:20
Aroclor 1248	11.8	ug/L			0.50		115	27	122
Surr: Decachlorobiphenyl	0.050		51.5		44		116		
Surr: Tetrachloro-m-xylene	0.050		50		40		120		
Sample ID: B0501113-09MSD					Sample Matrix Spike Duplicate			Run: ADCO_L_060224A	02/24/06 01:28
Aroclor 1248	12.1	ug/L			0.50		121	27	122	2.5	40
Surr: Decachlorobiphenyl	0.050		50		44		116		
Surr: Tetrachloro-m-xylene	0.050		50		40		120		

Qualifiers:
RL - Analyte reporting limit.
ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill

Report Date: 03/27/06
Work Order: B06031139

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 20272
Sample ID: MB-20272	Method Blank				Run: SV5973N.I_060324A				03/24/06 15:08
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10						
1,2,4-Trichlorobenzene	ND	ug/L	10						
1,2-Dichlorobenzene	ND	ug/L	10						
1,3,5-Trinitrobenzene	ND	ug/L	10						
1,3-Dichlorobenzene	ND	ug/L	10						
1,3-Dinitrobenzene	ND	ug/L	10						
1,4-Benzenediamine	ND	ug/L							P
1,4-Dichlorobenzene	ND	ug/L	10						
1,4-Naphthoquinone	ND	ug/L	10						
1-Methylnaphthalene	ND	ug/L	10						
1-Naphthylamine	ND	ug/L	10						
2,3,4,6-Tetrachlorophenol	ND	ug/L	10						
2,4,5-Trichlorophenol	ND	ug/L	10						
2,4,6-Trichlorophenol	ND	ug/L	10						
2,4-Dichlorophenol	ND	ug/L	10						
2,4-Dimethylphenol	ND	ug/L	10						
2,4-Dinitrophenol	ND	ug/L	50						
2,4-Dinitrotoluene	ND	ug/L	10						
2,6-Dichlorophenol	ND	ug/L	10						
2,6-Dinitrotoluene	ND	ug/L	10						
2-Acetylaminofluorene	ND	ug/L	10						
2-Chloronaphthalene	ND	ug/L	10						
2-Chlorophenol	ND	ug/L	10						
2-Methylnaphthalene	ND	ug/L	10						
2-Naphthylamine	ND	ug/L	10						
2-Nitroaniline	ND	ug/L	10						
2-Nitrophenol	ND	ug/L	10						
2-Picoline	ND	ug/L	10						
3,3'-Dichlorobenzidine	ND	ug/L	20						
3,3'-Dimethylbenzidine	ND	ug/L	10						
3-Methylcholanthrene	ND	ug/L	10						
3-Nitroaniline	ND	ug/L	10						
4,6-Dinitro-2-methylphenol	ND	ug/L	50						
4-Aminobiphenyl	ND	ug/L	10						
4-Bromophenyl phenyl ether	ND	ug/L	10						
4-Chloro-2-methylphenol	ND	ug/L	10						
4-Chloro-3-methylphenol	ND	ug/L	10						
4-Chlorophenol	ND	ug/L	10						
4-Chlorophenyl phenyl ether	ND	ug/L	10						
4-Nitroaniline	ND	ug/L	10						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.

QA/QC Summary Report

Client: Buna Sites Zone Public Works Dept
Project: B39 Oil Leaks

Report Date: 07/27/05
Work Order: D0051135

Analyte	Result	Units	RL	Spike Level	Recovery	RPD	RPD Criteria	Date
Batch: 5W0327D5								Batch: 2/27/2
Sample ID: MB-32272	Method Blank				Run: EVS/2/11_0/0/12/A			03/14/04 15:04
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10					
1,2,4-Trichlorobenzene	ND	ug/L	10					
1,2-Dichlorobenzene	ND	ug/L	10					
1,3,5-Trichlorobenzene	ND	ug/L	10					
1,3-Dichlorobenzene	ND	ug/L	10					
1,3-Dinitrobenzene	ND	ug/L	10					
1,4-Benzenediamine	ND	ug/L						
1,4-Dichlorobenzene	ND	ug/L	10					
1,4-Naphthoquinone	ND	ug/L	10					
1-Methylnaphthalene	ND	ug/L	10					
1-Naphthylamine	ND	ug/L	10					
2,3,4,6-Tetrachlorophenol	ND	ug/L	10					
2,4,5-Trichlorophenol	ND	ug/L	10					
2,4,6-Trichlorophenol	ND	ug/L	10					
2,4-Dichlorophenol	ND	ug/L	10					
2,4-Dimethylphenol	ND	ug/L	10					
2,4-Dinitrophenol	ND	ug/L	20					
2,4-Dinitrotoluene	ND	ug/L	10					
2,6-Dinitrotoluene	ND	ug/L	10					
2,6-Dichlorophenol	ND	ug/L	10					
2-Acetylaminofluorene	ND	ug/L	10					
2-Chlorophenol	ND	ug/L	10					
2-Chloronaphthalene	ND	ug/L	10					
2-Chlorophenol	ND	ug/L	10					
2-Methylnaphthalene	ND	ug/L	10					
2-Nitroaniline	ND	ug/L	10					
2-Nitrophenol	ND	ug/L	10					
2-Picoline	ND	ug/L	10					
3,3'-Dichlorobenzidine	ND	ug/L	20					
3,3'-Dimethylbenzidine	ND	ug/L	10					
3-Methylcholanthrene	ND	ug/L	10					
3-Nitroaniline	ND	ug/L	10					
4,6-Dinitro-2-methylphenol	ND	ug/L	20					
4-Aminobiphenyl	ND	ug/L	10					
4-Bromophenyl phenyl ether	ND	ug/L	10					
4-Chloro-2-methylphenol	ND	ug/L	10					
4-Chloro-3-methylphenol	ND	ug/L	10					
4-Chloroaniline	ND	ug/L	10					
4-Chlorophenyl phenyl ether	ND	ug/L	10					
4-Nitroaniline	ND	ug/L	10					

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

P - Poor matrix interference. Method validation was shown as accurate at a low-level or with method performance.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill

Report Date: 03/27/06
Work Order: B06031139

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 20272
Sample ID: MB-20272	Method Blank				Run: SV5973N.I_060324A				03/24/06 15:08
4-Nitrophenol	ND	ug/L	50						
4-Nitroquinoline-n-oxide	ND	ug/L	10						
5-Nitro-o-toluidine	ND	ug/L	10						
7,12-Dimethylbenz(a)anthracene	ND	ug/L	10						
a,a-Dimethylphenethylamine	ND	ug/L							P
Acenaphthene	ND	ug/L	10						
Acenaphthylene	ND	ug/L	10						
Acetophenone	ND	ug/L	10						
Aniline	ND	ug/L	10						
Anthracene	ND	ug/L	10						
Aramite	ND	ug/L	10						
Azobenzene	ND	ug/L	10						
Benzidine	ND	ug/L	20						
Benzo(a)anthracene	ND	ug/L	10						
Benzo(a)pyrene	ND	ug/L	10						
Benzo(b)fluoranthene	ND	ug/L	10						
Benzo(g,h,i)perylene	ND	ug/L	10						
Benzo(k)fluoranthene	ND	ug/L	10						
Benzyl alcohol	ND	ug/L	10						
bis(-2-chloroethoxy)Methane	ND	ug/L	10						
bis(-2-chloroethyl)Ether	ND	ug/L	10						
bis(2-chloroisopropyl)Ether	ND	ug/L	10						
bis(2-ethylhexyl)Phthalate	ND	ug/L	10						
Butylbenzylphthalate	ND	ug/L	10						
Chlorobenzilate	ND	ug/L	10						
Chrysene	ND	ug/L	10						
Diallate	ND	ug/L	10						
Dibenzo(a,h)anthracene	ND	ug/L	10						
Dibenzofuran	ND	ug/L	10						
Diethyl phthalate	ND	ug/L	10						
Dimethoate	ND	ug/L	10						
Dimethyl phthalate	ND	ug/L	10						
Di-n-butyl phthalate	ND	ug/L	10						
Di-n-octyl phthalate	ND	ug/L	10						
Diphenylamine	ND	ug/L	10						
Disulfoton	ND	ug/L	10						
Ethyl methanesulfonate	ND	ug/L	10						
Famphur	ND	ug/L	10						
Fluoranthene	ND	ug/L	10						
Fluorene	ND	ug/L	10						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.

QA/QC Summary Report

Client: Bute Silver Bow Public Works Dept

Project: BSB Oil Leak(s)

Report Date: 05/27/09

Work Order: BS09/127

Analyte	Result	Units	RL	Water LOQ	Run Limit	ACQ	Rep/Lab	Qual
Method: SW8270C							Batch: 22272	
Sample ID: MB-22272	Method Blank							
4-Chloroaniline	ND	ug/L		20				
4-Methylphenol	ND	ug/L		10				
Benzoic acid	ND	ug/L		10				
2,4,5-Trichlorophenol	ND	ug/L		10				
4-Chloro-3-methylphenol	ND	ug/L		10				
Acenaphthene	ND	ug/L		10				
Acenaphthylene	ND	ug/L		20				
Anthracene	ND	ug/L		10				
Benzo(a)anthracene	ND	ug/L		10				
Benzo(a)pyrene	ND	ug/L		10				
Benzo(b)fluoranthene	ND	ug/L		10				
Benzo(g,h,i)perylene	ND	ug/L		10				
Benzo(k)fluoranthene	ND	ug/L		10				
Bis(2-ethylhexyl)phthalate	ND	ug/L		20				
Chrysene	ND	ug/L		10				
Dibenzo(a,h)anthracene	ND	ug/L		10				
Fluoranthene	ND	ug/L		10				
Fluorene	ND	ug/L		10				
Indeno(1,2,3-cd)pyrene	ND	ug/L		10				
Naphthalene	ND	ug/L		10				
Phenanthrene	ND	ug/L		10				
Pyrene	ND	ug/L		10				
1,2-Dichlorobenzene	ND	ug/L		10				
1,3-Dichlorobenzene	ND	ug/L		10				
1,4-Dichlorobenzene	ND	ug/L		10				
2-Chlorophenol	ND	ug/L		10				
2-Methylphenol	ND	ug/L		10				
2-Nitroaniline	ND	ug/L		10				
2-Nitrophenol	ND	ug/L		10				
3-Nitroaniline	ND	ug/L		10				
4-Nitroaniline	ND	ug/L		10				
4-Nitrophenol	ND	ug/L		10				
Bis(2-chloroethyl)ether	ND	ug/L		10				
Bis(2-chloroethoxy)methane	ND	ug/L		10				
Bis(2-chloroisopropyl)ether	ND	ug/L		10				
Hexachlorobenzene	ND	ug/L		10				
Hexachlorobutadiene	ND	ug/L		10				
Hexachlorocyclopentadiene	ND	ug/L		10				
Hexachloroethane	ND	ug/L		10				
Isophorone	ND	ug/L		10				
Nitrobenzene	ND	ug/L		10				
N-Nitrosodimethylamine	ND	ug/L		10				
N-Nitrosodiphenylamine	ND	ug/L		10				
N-Nitrosodipropylamine	ND	ug/L		10				
Pentachlorophenol	ND	ug/L		10				
Phenol	ND	ug/L		10				
2,4,6-Trichlorophenol	ND	ug/L		10				
2-Fluorobiphenyl	ND	ug/L		10				
2-Fluorophenol	ND	ug/L		10				
Nitrobenzene-d5	ND	ug/L		10				
Phenol-d5	ND	ug/L		10				
Terphenyl-d14	ND	ug/L		10				
2,4,6-Tribromophenol	ND	ug/L		10				

Qualifiers:

RL - Analyte reporting limit.

P - Poor matrix performance. Method validation has shown no recoveries at low levels or simple matrix performance.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill

Report Date: 03/27/06
Work Order: B06031139

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 20272
Sample ID: MB-20272	Method Blank				Run: SV5973N.I_060324A				03/24/06 15:08
Hexachlorobenzene	ND	ug/L	10						
Hexachlorobutadiene	ND	ug/L	10						
Hexachlorocyclopentadiene	ND	ug/L	20						
Hexachloroethane	ND	ug/L	10						
Hexachlorophene	ND	ug/L							P
Hexachloropropene	ND	ug/L	10						
Indeno(1,2,3-cd)pyrene	ND	ug/L	10						
Isophorone	ND	ug/L	10						
Isosafrole	ND	ug/L	10						
m+p-Cresols	ND	ug/L	10						
Methapyrilene	ND	ug/L							P
Methyl methanesulfonate	ND	ug/L	10						
Methyl parathion	ND	ug/L	10						
Naphthalene	ND	ug/L	10						
Nitrobenzene	ND	ug/L	10						
n-Nitrosodiethylamine	ND	ug/L	10						
n-Nitrosodimethylamine	ND	ug/L	10						
n-Nitroso-di-n-butylamine	ND	ug/L	10						
n-Nitroso-di-n-propylamine	ND	ug/L	10						
n-Nitrosodiphenylamine	ND	ug/L	10						
n-Nitrosomethylethylamine	ND	ug/L	10						
n-Nitrosomorpholine	ND	ug/L	10						
n-Nitrosopiperidine	ND	ug/L	10						
n-Nitrosopyrrolidine	ND	ug/L	10						
o,o,o-Triethyl phosphorothioate	ND	ug/L	10						
o-Cresol	ND	ug/L	10						
o-Toluidine	ND	ug/L	10						
p-(dimethylamino)Azobenzene	ND	ug/L	10						
Parathion	ND	ug/L	10						
p-Chloroaniline	ND	ug/L	10						
Pentachlorobenzene	ND	ug/L	10						
Pentachloronitrobenzene	ND	ug/L	10						
Pentachlorophenol	ND	ug/L	50						
Phenacetin	ND	ug/L	10						
Phenanthrene	ND	ug/L	10						
Phenol	ND	ug/L	10						
Phorate	ND	ug/L	10						
Pronamide	ND	ug/L	10						
Pyrene	ND	ug/L	10						
Pyridine	ND	ug/L	20						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.

QA/QC Summary Report

Client: State Silver Bow Public Works Dept
Project: BSB Oil Leak02

Report Date: 03/27/06
Work Order: BB0031129

Analyte	Result	Units	R	%REC	Low Limit	High Limit	RPD	RPD Limit	Date
Method: SW8270C									03/17/06
Sample ID: MB-26727	Method Blank						Run: BV5871ML_060324A		03/24/06 15:08
Hexachlorobenzene	ND	ug/L							
Hexachlorobutadiene	ND	ug/L							
Hexachlorocyclopentadiene	ND	ug/L							
Hexachloroethane	ND	ug/L							
Hexachlorophene	ND	ug/L							
Hexachloropropene	ND	ug/L							
Indeno(1,2,3-cd)pyrene	ND	ug/L							
Isophorone	ND	ug/L							
Isosafrole	ND	ug/L							
Kepone	ND	ug/L							
Methapyrilene	ND	ug/L							
Methoxychlor	ND	ug/L							
Methyl methanesulfonate	ND	ug/L							
Methyl parathion	ND	ug/L							
Naphthalene	ND	ug/L							
Naphthoquinone	ND	ug/L							
1,4-Naphthoquinone	ND	ug/L							
1-Naphthylamine	ND	ug/L							
2-Naphthylamine	ND	ug/L							
1,5-Naphthylenediamine	ND	ug/L							
1,4-Naphthylenediamine	ND	ug/L							
n-Nitrosodiethylamine	ND	ug/L							
n-Nitrosodimethylamine	ND	ug/L							
n-Nitrosodiphenylamine	ND	ug/L							
n-Nitrosodipiperidine	ND	ug/L							
n-Nitrosodi-n-butylamine	ND	ug/L							
n-Nitrosodi-n-propylamine	ND	ug/L							
n-Nitrosomethylethylamine	ND	ug/L							
n-Nitrosomorpholine	ND	ug/L							
n-Nitrosopiperidine	ND	ug/L							
n-Nitrosopyrrolidine	ND	ug/L							
o,o,o-Triethyl phosphorothioate	ND	ug/L							
o-Cresol	ND	ug/L							
o-Toluidine	ND	ug/L							
p-(dimethylamino)Azobenzene	ND	ug/L							
Parathion	ND	ug/L							
p-Chloroaniline	ND	ug/L							
Pentachlorobenzene	ND	ug/L							
Pentachloronitrobenzene	ND	ug/L							
Pentachlorophenol	ND	ug/L							
Phenacetin	ND	ug/L							
Phenanthrene	ND	ug/L							
Phenol	ND	ug/L							
Phorate	ND	ug/L							
Phosphorothioate	ND	ug/L							
Pronamide	ND	ug/L							
Pyridine	ND	ug/L							

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

P - Prior method performance, blank and validation data shows no carryover at or above the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill

Report Date: 03/27/06
Work Order: B06031139

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 20272
Sample ID: MB-20272	Method Blank				Run: SV5973N.I_060324A				03/24/06 15:08
Safrole	ND	ug/L	10						
Sulfotep	ND	ug/L	10						
Thionazin	ND	ug/L	10						
Surr: 2,4,6-Tribromophenol			10	61	10	123			
Surr: 2-Fluorobiphenyl			10	72.8	43	116			
Surr: 2-Fluorophenol			10	44.6	21	100			
Surr: Nitrobenzene-d5			10	66	35	114			
Surr: Phenol-d5			10	39.8	10	94			
Surr: Terphenyl-d14			10	89.5	33	141			
Sample ID: LCS-20272	Laboratory Control Spike				Run: SV5973N.I_060324A				03/24/06 15:39
1,2,4-Trichlorobenzene	61.8	ug/L	10	61.8	43	82			
1,2-Dichlorobenzene	53.8	ug/L	10	53.8	37	77			
1,3-Dichlorobenzene	48.4	ug/L	10	48.4	38	74			
1,4-Dichlorobenzene	52.0	ug/L	10	52	38	74			
2,4,5-Trichlorophenol	81.0	ug/L	10	81	47	96			
2,4,6-Trichlorophenol	64.2	ug/L	10	64.2	47	96			
2,4-Dichlorophenol	64.8	ug/L	10	64.8	40	90			
2,4-Dimethylphenol	67.8	ug/L	10	67.8	28	86			
2,4-Dinitrophenol	52.1	ug/L	50	52.1	10	132			
2,4-Dinitrotoluene	85.2	ug/L	10	85.2	60	102			
2,6-Dinitrotoluene	85.9	ug/L	10	85.9	59	100			
2-Chloronaphthalene	73.6	ug/L	10	73.6	52	89			
2-Chlorophenol	60.2	ug/L	10	60.2	39	78			
2-Methylnaphthalene	74.9	ug/L	10	74.9	30	130			
2-Nitroaniline	82.4	ug/L	10	82.4	29	138			
2-Nitrophenol	72.7	ug/L	10	72.7	44	87			
3-Nitroaniline	76.0	ug/L	10	76	30	129			
4,6-Dinitro-2-methylphenol	69.1	ug/L	50	69.1	24	123			
4-Bromophenyl phenyl ether	74.6	ug/L	10	74.6	51	105			
4-Chloro-3-methylphenol	76.1	ug/L	10	76.1	50	94			
4-Chlorophenyl phenyl ether	77.9	ug/L	10	77.9	54	98			
4-Nitroaniline	85.9	ug/L	10	85.9	29	129			
4-Nitrophenol	24.2	ug/L	50	24.2	10	95			
Acenaphthene	74.9	ug/L	10	74.9	53	101			
Acenaphthylene	71.9	ug/L	10	71.9	50	94			
Anthracene	86.1	ug/L	10	86.1	52	109			
Azobenzene	69.0	ug/L	10	69	10	227			
Benzo(a)anthracene	65.2	ug/L	10	65.2	57	115			
Benzo(a)pyrene	83.6	ug/L	10	83.6	44	122			
Benzo(b)fluoranthene	71.4	ug/L	10	71.4	54	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Blue Silver Bow Public Works Dept
Project: PSB Oil Landfill

Report Date: 03/27/06
Work Order: 1M0421149

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	SW8270D								Batch: 22272
Sample ID:	MB-22272	Method Blank				Run: SV5987M1_060324A			03/24/06 15:39
Benzene	ND	ug/L	10						
Toluene	ND	ug/L	10						
Ethylbenzene	ND	ug/L	10						
Sum 2,4,6-Trichlorophenol			10	61	10	123			
Sum 2-Fluorobiphenyl			10	72.6	43	116			
Sum 2-Fluorophenol			10	44.6	21	100			
Sum Nitrobenzene-d5			10	65	35	114			
Sum Phenol-d5			10	20.8	10	94			
Sum Terphenyl-d14			10	68.5	33	141			
Sample ID:	LCS-22272	Laboratory Control Sample				Run: SV5987M1_060324A			03/24/06 16:30
1,2,4-Trichlorobenzene	61.6	ug/L	10	61.6	43	82			
1,2-Dichlorobenzene	39.8	ug/L	10	39.8	37	77			
1,3-Dichlorobenzene	42.4	ug/L	10	42.4	36	74			
1,4-Dichlorobenzene	82.0	ug/L	10	82	36	74			
2,4,5-Trichlorophenol	81.0	ug/L	10	81	47	90			
2,4,6-Trichlorophenol	84.2	ug/L	10	84.2	47	90			
2,4-Dichlorophenol	84.0	ug/L	10	84.0	40	90			
2,4-Dimethylphenol	67.6	ug/L	10	67.6	26	88			
2,4-Dinitrophenol	32.1	ug/L	20	32.1	10	122			
2,4-Dinitrotoluene	85.2	ug/L	10	85.2	60	102			
2,6-Dinitrotoluene	86.9	ug/L	10	86.9	56	103			
2-Chloronaphthalene	73.0	ug/L	10	73.0	62	88			
2-Chlorophenol	69.2	ug/L	10	69.2	39	79			
2-Methylnaphthalene	74.8	ug/L	10	74.8	30	130			
2-Nitroaniline	82.4	ug/L	10	82.4	23	130			
2-Nitrophenol	72.7	ug/L	10	72.7	44	87			
3-Nitroaniline	75.0	ug/L	10	75	30	129			
4,6-Dinitro-2-methylphenol	89.1	ug/L	20	89.1	24	132			
4-Bromophenyl phenyl ether	74.6	ug/L	10	74.6	51	103			
4-Chloro-3-methylphenol	78.1	ug/L	10	78.1	53	94			
4-Chlorophenyl phenyl ether	77.0	ug/L	10	77.0	54	96			
4-Nitroaniline	58.0	ug/L	10	58.0	29	129			
4-Nitrophenol	24.2	ug/L	50	24.2	10	96			
Acenaphthene	74.8	ug/L	10	74.8	52	101			
Acenaphthylene	77.0	ug/L	10	77.0	50	94			
Anthracene	86.1	ug/L	10	86.1	52	109			
Azobenzene	80.0	ug/L	10	80	10	127			
Benzo(a)anthracene	85.2	ug/L	10	85.2	67	113			
Benzo(b)pyrene	82.5	ug/L	10	82.5	44	122			
Benzo(g,h,i)perylene	71.4	ug/L	10	71.4	24	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill

Report Date: 03/27/06
Work Order: B06031139

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 20272
Sample ID: LCS-20272	Laboratory Control Spike				Run: SV5973N.I_060324A				03/24/06 15:39
Benzo(g,h,i)perylene	84.6	ug/L	10	84.6	43	121			
Benzo(k)fluoranthene	95.9	ug/L	10	95.9	48	118			
bis(-2-chloroethoxy)Methane	72.6	ug/L	10	72.6	45	102			
bis(-2-chloroethyl)Ether	67.6	ug/L	10	67.6	13	122			
bis(2-chloroisopropyl)Ether	67.3	ug/L	10	67.3	40	91			
bis(2-ethylhexyl)Phthalate	68.5	ug/L	10	68.5	47	128			
Butylbenzylphthalate	73.7	ug/L	10	73.7	45	130			
Chrysene	86.3	ug/L	10	86.3	54	122			
Dibenzo(a,h)anthracene	90.6	ug/L	10	90.6	39	120			
Dibenzofuran	75.6	ug/L	10	75.6	27	123			
Diethyl phthalate	77.2	ug/L	10	77.2	51	108			
Dimethyl phthalate	81.5	ug/L	10	81.5	53	106			
Di-n-butyl phthalate	82.3	ug/L	10	82.3	51	114			
Di-n-octyl phthalate	83.2	ug/L	10	83.2	45	134			
Fluoranthene	86.5	ug/L	10	86.5	50	121			
Fluorene	77.5	ug/L	10	77.5	54	101			
Hexachlorobenzene	78.9	ug/L	10	78.9	49	101			
Hexachlorobutadiene	55.1	ug/L	10	55.1	38	94			
Hexachlorocyclopentadiene	56.8	ug/L	20	56.8	17	93			
Hexachloroethane	45.0	ug/L	10	45	43	76			
Indeno(1,2,3-cd)pyrene	73.9	ug/L	10	73.9	43	125			
Isophorone	75.0	ug/L	10	75	51	100			
m+p-Cresols	60.1	ug/L	10	60.1	30	130			
Naphthalene	63.2	ug/L	10	63.2	43	93			
Nitrobenzene	70.3	ug/L	10	70.3	47	87			
n-Nitrosodimethylamine	35.7	ug/L	10	35.7	12	78			
n-Nitroso-di-n-propylamine	84.2	ug/L	10	84.2	30	116			
o-Cresol	62.1	ug/L	10	62.1	30	130			
p-Chloroaniline	67.8	ug/L	10	67.8	13	120			
Pentachlorophenol	72.3	ug/L	50	72.3	16	117			
Phenanthrene	71.6	ug/L	10	71.6	52	108			
Phenol	36.1	ug/L	10	36.1	10	78			
Pyrene	73.6	ug/L	10	73.6	56	116			
Surr: 2,4,6-Tribromophenol			10	85.5	10	123			
Surr: 2-Fluorobiphenyl			10	73.4	43	116			
Surr: 2-Fluorophenol			10	45.4	21	100			
Surr: Nitrobenzene-d5			10	69.4	35	114			
Surr: Phenol-d5			10	44	10	94			
Surr: Terphenyl-d14			10	75.1	33	141			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Dane Silver Bow Fields Work Dept
Project: BSB Old Landfill

Report Date: 07/27/06
Work Order: DM0311.09

Analyte	Result	Units	RL	MDL/CRL	Low Limit	High Limit	RPD	RPD Limit	Date
Method: SW8015C									Date: 07/27
Sample ID: LCS-20272	Laboratory Control Sample								07/26/06 15:30
Benzo(g,h,i)perylene	81.8	ug/L	10	84.6	43	121			
Benzo(k)fluoranthene	99.4	ug/L	10	95.6	48	118			
Chrysene	72.8	ug/L	10	72.8	46	102			
Dibenz(a,h)anthracene	87.8	ug/L	10	87.6	13	122			
Indeno(1,2,3-cd)pyrene	87.7	ug/L	10	87.3	40	91			
2-Methylnaphthalene	86.5	ug/L	10	86.5	37	118			
Naphthalene	73.7	ug/L	10	73.7	45	120			
Phenanthrene	85.3	ug/L	10	88.3	34	122			
Pyrene	90.6	ug/L	10	90.6	39	120			
Benzo(a)anthracene	78.6	ug/L	10	78.6	37	125			
Benzo(b)fluoranthene	77.2	ug/L	10	77.2	51	109			
Dibenzofuran	81.5	ug/L	10	81.5	37	114			
Fluorene	82.3	ug/L	10	82.3	46	124			
Naphthalene	83.2	ug/L	10	83.2	20	121			
Phenanthrene	80.8	ug/L	10	80.8	25	109			
Pyrene	77.3	ug/L	10	77.3	26	121			
Benzo(a)anthracene	79.9	ug/L	10	79.9	46	121			
Benzo(b)fluoranthene	85.1	ug/L	10	85.1	38	91			
Benzo(k)fluoranthene	92.6	ug/L	20	92.6	37	84			
Chrysene	46.0	ug/L	10	46	43	78			
Dibenz(a,h)anthracene	74.9	ug/L	10	74.9	43	125			
Indeno(1,2,3-cd)pyrene	75.0	ug/L	10	75	51	100			
2-Methylnaphthalene	60.1	ug/L	10	60.1	30	130			
Naphthalene	64.3	ug/L	10	64.3	43	93			
Phenanthrene	70.3	ug/L	10	70.3	47	87			
Pyrene	75.7	ug/L	10	75.7	42	72			
2,4,6-Trichlorophenol	84.2	ug/L	10	84.2	30	110			
2-Fluorobiphenyl	82.1	ug/L	10	82.1	30	130			
2-Fluorophenol	67.8	ug/L	10	67.8	13	120			
Nitrobenzene-d5	72.3	ug/L	20	72.3	18	117			
Phenol-d5	77.6	ug/L	10	77.6	32	120			
Terphenyl-d14	80.1	ug/L	10	80.1	10	78			
2-Chlorophenol	72.6	ug/L	10	72.6	36	112			
2,4-Dichlorophenol			10	80.8	10	123			
2,4-Dimethylphenol			10	72.4	43	110			
2,4-Dinitrophenol			10	48.4	27	100			
2,4-Dinitrotoluene			10	69.4	39	111			
2,6-Dinitrotoluene			10	44	40	98			
2-Chloronaphthalene			10	78.1	33	141			

Qualifiers:
RL - Analyte reporting limit
MDL - Method detection limit

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill

Report Date: 03/27/06
Work Order: B06031139

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 20272
Sample ID: APP2A-20272	Laboratory Control Spike				Run: SV5973N.I_060324A				03/24/06 16:10
1,2,4,5-Tetrachlorobenzene	75.9	ug/L	10	75.9	15	124			
1,3-Dinitrobenzene	80.4	ug/L	10	80.4	24	136			
1,4-Naphthoquinone	83.3	ug/L	10	83.3	59	103			
2,3,4,6-Tetrachlorophenol	76.5	ug/L	10	76.5	10	150			
2,6-Dichlorophenol	76.2	ug/L	10	76.2	12	133			
2-Acetylaminofluorene	90.6	ug/L	10	90.6	39	130			
2-Nitroaniline	80.5	ug/L	10	80.5	29	138			
3-Methylcholanthrene	85.4	ug/L	10	85.4	10	183			
3-Nitroaniline	77.2	ug/L	10	77.2	30	129			
4-Nitroaniline	84.8	ug/L	10	84.8	29	129			
7,12-Dimethylbenz(a)anthracene	91.0	ug/L	10	91	17	150			
Aniline	61.6	ug/L	10	61.6	10	129			
Aramite	98.0	ug/L	10	98	15	152			
Chlorobenzilate	87.8	ug/L	10	87.8	36	128			
Diallate	72.3	ug/L	10	72.3	10	157			
Dibenzofuran	85.4	ug/L	10	85.4	27	123			
Dimethoate	67.2	ug/L	10	67.2	15	151			
Disulfoton	71.5	ug/L	10	71.5	10	159			
Ethyl methanesulfonate	55.8	ug/L	10	55.8	10	143			
Hexachloropropene	68.6	ug/L	10	68.6	10	131			
Isosafrole	75.8	ug/L	10	75.8	27	114			
Methapyrilene	81.6	ug/L		81.6	20	140			
Methyl methanesulfonate	43.8	ug/L	10	43.8	14	123			
Methyl parathion	94.5	ug/L	10	94.5	15	159			
o,o,o-Triethyl phosphorothioate	75.8	ug/L	10	75.8	31	108			
Parathion	83.8	ug/L	10	83.8	31	137			
p-Chloroaniline	69.4	ug/L	10	69.4	13	120			
Pentachlorobenzene	68.5	ug/L	10	68.5	15	127			
Phorate	68.1	ug/L	10	68.1	16	153			
Safrole	74.6	ug/L	10	74.6	28	113			
Sulfotep	68.0	ug/L	10	68	15	135			
Thionazin	77.4	ug/L	10	77.4	25	147			
Surr: 2,4,6-Tribromophenol			10	80.5	10	123			
Surr: 2-Fluorobiphenyl			10	74.3	43	116			
Surr: 2-Fluorophenol			10	47.4	21	100			
Surr: Nitrobenzene-d5			10	67.2	35	114			
Surr: Phenol-d5			10	41	10	94			
Surr: Terphenyl-d14			10	79.4	33	141			
Sample ID: APP2B-20272	Laboratory Control Spike				Run: SV5973N.I_060324A				03/24/06 16:41
1,3,5-Trinitrobenzene	91.7	ug/L	10	91.7	28	77			S

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Blue River Dam Public Works Dept
Project: RSB Oil Leakage

Report Date: 01/27/06
Work Order: 1606011139

Analyte	Result	Units	RL	%REC	Upper Limit	Lower Limit	RPD	RPD Limit	Date
Method: SW8270C									Batch: 22172
Sample ID: AP1P2A-22172		Laboratory Control Sample					Run: SVM2T1H1_060224A		02/24/06 16:10
1,2,4,5-Tetrachlorobenzene	72.0	ug/L	10		74.0	15		124	
1,2-Dichlorobenzene	60.4	ug/L	10		60.4	24		139	
1,4-Dichlorobenzene	60.3	ug/L	10		63.3	26		103	
2,3,4,6-Tetrachlorophenol	76.5	ug/L	10		78.5	10		150	
2,3-Dichlorophenol	76.2	ug/L	10		76.2	12		136	
2-Acetylaminofluorene	70.5	ug/L	10		70.0	20		130	
2-Naphthylamine	60.0	ug/L	10		60.5	23		136	
2-Nitroaniline	60.4	ug/L	10		66.4	10		183	
3-Methylcholanthrene	77.2	ug/L	10		77.2	30		129	
3-Nitroaniline	64.8	ug/L	10		64.0	25		139	
7,12-Dimethylbenz(a)anthracene	91.0	ug/L	10		91	17		150	
Aniline	67.8	ug/L	10		61.0	10		129	
Anthracene	62.0	ug/L	10		66	16		132	
Benzo(a)anthracene	67.0	ug/L	10		67.8	35		139	
Benzidine	72.7	ug/L	10		72.0	10		137	
Dibenzofuran	66.4	ug/L	10		63.4	27		123	
Diphenylamine	67.2	ug/L	10		67.2	16		167	
Diphenylene	71.5	ug/L	10		71.5	10		159	
Ethyl methanesulfonate	57.9	ug/L	10		50.5	10		143	
Hexachlorocyclopentadiene	63.0	ug/L	10		68.8	10		131	
Hexachlorophene	75.5	ug/L	10		75.8	2		114	
Isodrin	81.0	ug/L			87.0	30		140	
Isophoronediamine	42.5	ug/L	10		43.0	14		122	
Methyl parathion	54.0	ug/L	10		54.0	13		152	
O,O,O-Triethyl phosphorothioate	77.8	ug/L	10		78.0	21		158	
Pronamide	69.0	ug/L	10		63.0	31		137	
p-Dimethylamino	66.4	ug/L	10		66.4	13		120	
Pentachlorobenzene	63.5	ug/L	10		68.0	15		127	
Phenacetin	68.1	ug/L	10		65.1	16		135	
Safrole	74.3	ug/L	10		74.0	28		113	
Sulfotepp	63.0	ug/L	10		65	16		135	
Thionazin	77.4	ug/L	10		77.4	26		147	
Surr: 2,4,6-Tribromophenol			10		80.0	10		123	
Surr: 2-Fluorobiphenyl			10		74.3	43		119	
Surr: 2-Fluorophenol			10		67.4	21		120	
Surr: Nitrobenzene-d5			10		67.2	35		114	
Surr: Phenol-d6			10		41	10		94	
Surr: Terphenyl-d14			10		72.4	33		141	
Sample ID: AP1P3B-22172		Laboratory Control Sample					Run: SVM2T2H1_060224A		02/24/06 10:41
1,2,3-Trichlorobenzene	67.2	ug/L	10		67.7	29		77	5

Qualifiers:
RL - Analyte reporting limit.
U - Qualitative recovery outside of advisory limits.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill

Report Date: 03/27/06
Work Order: B06031139

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 20272
Sample ID: APP2B-20272	Laboratory Control Spike				Run: SV5973N.I_060324A				03/24/06 16:41
1-Naphthylamine	72.4	ug/L	10	72.4	10	111			
2-Naphthylamine	82.4	ug/L	10	82.4	10	120			
2-Picoline	38.2	ug/L	10	38.2	13	93			
3,3´-Dimethylbenzidine	72.1	ug/L	10	72.1	10	116			
4-Aminobiphenyl	88.7	ug/L	10	88.7	20	131			
4-Nitroquinoline-n-oxide	108	ug/L	10	108	26	149			
5-Nitro-o-toluidine	87.1	ug/L	10	87.1	29	131			
Acetophenone	65.1	ug/L	10	65.1	17	144			
Diphenylamine	127	ug/L	10	127	31	140			
n-Nitrosodiethylamine	62.3	ug/L	10	62.3	18	130			
n-Nitroso-di-n-butylamine	70.3	ug/L	10	70.3	21	159			
n-Nitrosomethylethylamine	53.9	ug/L	10	53.9	14	114			
n-Nitrosomorpholine	63.1	ug/L	10	63.1	10	165			
n-Nitrosopiperidine	74.2	ug/L	10	74.2	23	148			
n-Nitrosopyrrolidine	60.9	ug/L	10	60.9	10	150			
o-Toluidine	61.7	ug/L	10	61.7	10	136			
p-(dimethylamino)Azobenzene	107	ug/L	10	107	40	143			
Pentachloronitrobenzene	90.4	ug/L	10	90.4	10	172			
Phenacetin	75.4	ug/L	10	75.4	30	143			
Pronamide	96.4	ug/L	10	96.4	30	145			
Surr: 2,4,6-Tribromophenol			10	77	10	123			
Surr: 2-Fluorobiphenyl			10	69.9	43	116			
Surr: 2-Fluorophenol			10	44.4	21	100			
Surr: Nitrobenzene-d5			10	68.3	35	114			
Surr: Phenol-d5			10	39.8	10	94			
Surr: Terphenyl-d14			10	87.3	33	141			
Sample ID: B06031139-001AMS	Sample Matrix Spike				Run: SV5973N.I_060324A				03/24/06 17:43
1,2,4-Trichlorobenzene	74.6	ug/L	20	74.6	39	98			
1,4-Dichlorobenzene	69.6	ug/L	20	69.6	36	97			
2,4-Dinitrotoluene	83.6	ug/L	20	83.6	24	96			
2-Chlorophenol	101	ug/L	20	67.1	27	123			
4-Chloro-3-methylphenol	116	ug/L	20	77.2	23	97			
4-Nitrophenol	44.2	ug/L	100	29.5	10	80			
Acenaphthene	79.4	ug/L	20	79.4	46	118			
n-Nitroso-di-n-propylamine	56.0	ug/L	20	56	41	116			
Pentachlorophenol	110	ug/L	100	73.6	9	103			
Phenol	71.8	ug/L	20	47.9	12	110			
Pyrene	96.6	ug/L	20	96.6	26	127			
Surr: 2,4,6-Tribromophenol			20	87.8	10	123			
Surr: 2-Fluorobiphenyl			20	80.2	43	116			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Basin Sewer Blue Public Works Dept
Project: BSB OM Lawsiff

Report Date: 01/27/06
Work Order: 3060117129

Analyte	Result	Units	RL	% RSD	Low Limit	High Limit	RPD	RPD Limit	Date
Method: SW8120C									Batch: 20270
Sample ID: AP-FZB-20272	Laboratory Control Spike								02/24/06 16:47
1-Methylnaphthalene	72.4	ug/L							
2-Methylnaphthalene	82.4	ug/L							
2-Picoline	33.2	ug/L							
2,3,4,6-Tetrachlorophenol	72.1	ug/L							
4-Aminobiphenyl	83.7	ug/L							
4-Nitroquinoline-n-oxide	105	ug/L							
5-Nitro-o-toluidine	87.1	ug/L							
Acenaphthene	85.1	ug/L							
Dibenzofuran	72.7	ug/L							
n-Nitrosodiethylamine	82.3	ug/L							
a-Naphthylamine	70.3	ug/L							
n-Nitrosomethylethylamine	82.9	ug/L							
n-Nitrosomorpholine	83.1	ug/L							
n-Nitrosopiperidine	74.2	ug/L							
n-Nitrosopyrrolidine	80.9	ug/L							
o-Toluidine	81.7	ug/L							
p-Dimethylaminoazobenzene	107	ug/L							
Pentachloronitrobenzene	80.4	ug/L							
Phenacetin	72.4	ug/L							
Pronamide	82.4	ug/L							
Surr: 2,4,6-Tribromophenol									
Surr: 2-Fluorobiphenyl									
Surr: 2-Fluorophenol									
Surr: Nitrobenzene-d5									
Surr: Phenol-d5									
Surr: Terphenyl-d14									
Sample ID: 3060117129-02MS	Sample Matrix Spike								02/24/06 17:43
1,2,4-Trichlorobenzene	77.6	ug/L							
1,4-Dichlorobenzene	69.8	ug/L							
2,4-Dinitrotoluene	61.9	ug/L							
2-Chlorophenol	101	ug/L							
4-Chloro-3-methylphenol	116	ug/L							
4-Nitrophenol	44.2	ug/L							
Acenaphthene	79.4	ug/L							
n-Nitroso-di-n-propylamine	84.0	ug/L							
Pentachlorophenol	110	ug/L							
Phenol	77.8	ug/L							
Pyrene	80.6	ug/L							
Surr: 2,4,6-Tribromophenol									
Surr: 2-Fluorophenol									

Qualifiers:
RL - Analyte reporting limit.
MCL - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill

Report Date: 03/27/06
Work Order: B06031139

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 20272
Sample ID: B06031139-001AMS	Sample Matrix Spike				Run: SV5973N.I_060324A				03/24/06 17:43
Surr: 2-Fluorophenol			20	59.5	21	100			
Surr: Nitrobenzene-d5			20	70.4	35	114			
Surr: Phenol-d5			20	60.8	10	94			
Surr: Terphenyl-d14			20	90.6	33	141			
Sample ID: B06031139-004AMS	Sample Matrix Spike Duplicate				Run: SV5973N.I_060324A				03/24/06 19:15
1,2,4-Trichlorobenzene	81.8	ug/L	20	81.8	39	98	9.2	28	
1,4-Dichlorobenzene	79.2	ug/L	20	79.2	36	97	13	28	
2,4-Dinitrotoluene	90.8	ug/L	20	90.8	24	96	8.3	38	
2-Chlorophenol	114	ug/L	20	76.3	27	123	13	40	
4-Chloro-3-methylphenol	123	ug/L	20	82.1	23	97	6.2	42	
4-Nitrophenol	52.2	ug/L	100	34.8	10	80	0	50	
Acenaphthene	88.4	ug/L	20	88.4	46	118	11	31	
n-Nitroso-di-n-propylamine	75.4	ug/L	20	75.4	41	116	30	38	
Pentachlorophenol	137	ug/L	100	91.5	9	103	22	50	
Phenol	80.2	ug/L	20	53.5	12	110	11	42	
Pyrene	115	ug/L	20	115	26	127	17	31	
Surr: 2,4,6-Tribromophenol			20	96	10	123			
Surr: 2-Fluorobiphenyl			20	89.4	43	116			
Surr: 2-Fluorophenol			20	67.8	21	100			
Surr: Nitrobenzene-d5			20	82	35	114			
Surr: Phenol-d5			20	60.7	10	94			
Surr: Terphenyl-d14			20	108	33	141			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill

Report Date: 03/28/06
Work Order: B06031139

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8151A									Batch: 20267
Sample ID: MB-20267	Method Blank				Run: CECD.I_060323B				03/23/06 19:54
2,4-D	ND	ug/L	1.0						
Dinoseb	ND	ug/L	1.0						
2,4,5-T	ND	ug/L	0.20						
2,4,5-TP (Silvex)	ND	ug/L	0.20						
Surr: DCAA			0.10	74.2	57	125			
Sample ID: LCS-20267	Laboratory Control Spike				Run: CECD.I_060323B				03/23/06 20:24
2,4-D	4.49	ug/L	1.0	89.8	58	136			
Dinoseb	2.62	ug/L	1.0	52.4	13	146			
2,4,5-T	4.63	ug/L	0.20	92.6	68	152			
2,4,5-TP (Silvex)	4.76	ug/L	0.20	95.2	66	153			
Surr: DCAA			0.10	74.8	57	125			
Sample ID: B06031139-001CMS	Sample Matrix Spike				Run: CECD.I_060323B				03/23/06 21:22
2,4-D	4.89	ug/L	1.0	97.8	50	140			
Dinoseb	3.10	ug/L	1.0	62	10	150			
2,4,5-T	4.89	ug/L	0.20	97.8	60	160			
2,4,5-TP (Silvex)	5.05	ug/L	0.20	101	60	155			
Surr: DCAA			0.10	79.7	57	125			
Sample ID: B06031139-001CMSD	Sample Matrix Spike Duplicate				Run: CECD.I_060323B				03/23/06 21:52
2,4-D	4.90	ug/L	1.0	98	50	140	0.2	40	
Dinoseb	3.12	ug/L	1.0	62.4	10	150	0.6	40	
2,4,5-T	5.07	ug/L	0.20	101	60	160	3.6	40	
2,4,5-TP (Silvex)	5.14	ug/L	0.20	103	60	155	1.8	40	
Surr: DCAA			0.10	80.6	57	125			
Method: SW8151A									Analytical Run: CECD.I_060323B
Sample ID: 8151CK8	Continuing Calibration Verification Standard								03/23/06 19:25
2,4-D	0.449	ug/L	1.0	89.8	85	115			
Dinoseb	0.484	ug/L	1.0	96.8	85	115			
2,4,5-T	0.477	ug/L	0.20	95.4	85	115			
2,4,5-TP (Silvex)	0.486	ug/L	0.20	97.2	85	115			
Surr: DCAA			0.10	87.6	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Bute Silver Bow Public Works Dept.
Project: BSB Old Landfill

Report Date: 01/24/09
Work Order: B0001139

Analyte	Result	Units	RL	MRPC	Low Limit	High Limit	R.D.	RPD/Unit	Date
Method: SW8151A									Batch: 20707
Sample ID: MB-18727	Method Blank					Run: CEC01_090122B			09/24/09 19:54
2,4-D	ND	ug/L	1.0						
Dicamba	ND	ug/L	1.0						
2,4,5-T	ND	ug/L	0.20						
2,4,5-TP (Silvex)	ND	ug/L	0.20						
Surr: DCAA			0.10	74.2	57	124			
Sample ID: LCS-18727	Laboratory Control Sample					Run: CEC01_090122B			09/24/09 20:24
2,4-D	4.49	ug/L	1.0	89.8	58	136			
Dicamba	2.60	ug/L	1.0	52.0	12	148			
2,4,5-T	4.83	ug/L	0.20	97.0	68	132			
2,4,5-TP (Silvex)	4.79	ug/L	0.20	95.2	68	131			
Surr: DCAA			0.10	74.3	57	124			
Sample ID: B0001139-01CMS	Sample Matrix Spike					Run: CEC01_090122B			09/24/09 21:22
2,4-D	4.64	ug/L	1.0	91.8	50	140			
Dicamba	2.10	ug/L	1.0	42	10	160			
2,4,5-T	4.80	ug/L	0.20	97.6	50	160			
2,4,5-TP (Silvex)	5.05	ug/L	0.20	101	50	152			
Surr: DCAA			0.10	70.7	57	124			
Sample ID: B0001139-01CMSD	Sample Matrix Spike Duplicate					Run: CEC01_090122B			09/24/09 21:52
2,4-D	4.90	ug/L	1.0	98	50	140	0.2	40	
Dicamba	3.12	ug/L	1.0	62.4	10	160	0.6	40	
2,4,5-T	5.07	ug/L	0.20	101	50	160	5.6	40	
2,4,5-TP (Silvex)	5.14	ug/L	0.20	103	50	156	1.8	40	
Surr: DCAA			0.10	80.8	57	124			

Method: SW8151A — Analytical Run: CEC01_090122B

Sample ID: s1/a1/CC03	Continuing Calibration Verification Standard					09/24/09 15:23
2,4-D	0.445	ug/L	1.0	89.0	85	115
Dicamba	0.484	ug/L	1.0	96.8	85	115
2,4,5-T	0.477	ug/L	0.20	95.4	85	115
2,4,5-TP (Silvex)	0.475	ug/L	0.20	95.2	85	115
Surr: DCAA			0.10	87.6	85	115

Qual/Flags:
ND - Analyte monitoring limit.
RD - RPD obscured by low reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill

Report Date: 03/28/06
Work Order: B06031139

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R73413
Sample ID: lcs032406	Laboratory Control Spike				Run: SV5972.I_060324C				03/24/06 11:36
Acetone	37.8	ug/L	20	75.7	62	130			
Benzene	4.52	ug/L	1.0	90.4	71	133			
Bromochloromethane	4.48	ug/L	1.0	89.6	68	131			
Bromodichloromethane	4.20	ug/L	1.0	84	67	138			
Bromoform	4.64	ug/L	1.0	92.8	64	136			
Bromomethane	5.44	ug/L	1.0	109	60	138			
Carbon tetrachloride	4.40	ug/L	1.0	88	61	144			
Chlorobenzene	4.44	ug/L	1.0	88.8	78	136			
Chlorodibromomethane	4.48	ug/L	1.0	89.6	72	136			
Chloroethane	4.96	ug/L	1.0	99.2	64	136			
Chloroform	4.40	ug/L	1.0	88	69	133			
Chloromethane	5.16	ug/L	1.0	103	63	149			
1,2-Dibromo-3-chloropropane	4.48	ug/L	1.0	89.6	63	125			
1,2-Dibromoethane	4.52	ug/L	1.0	90.4	75	131			
Dibromomethane	4.40	ug/L	1.0	88	72	133			
1,2-Dichlorobenzene	4.64	ug/L	1.0	92.8	78	129			
1,3-Dichlorobenzene	4.52	ug/L	1.0	90.4	79	132			
1,4-Dichlorobenzene	4.56	ug/L	1.0	91.2	78	131			
Dichlorodifluoromethane	6.00	ug/L	1.0	120	55	141			
1,1-Dichloroethane	4.48	ug/L	1.0	89.6	72	130			
1,2-Dichloroethane	4.40	ug/L	1.0	88	57	146			
1,1-Dichloroethene	4.44	ug/L	1.0	88.8	66	142			
cis-1,2-Dichloroethene	4.40	ug/L	1.0	88	74	133			
trans-1,2-Dichloroethene	4.44	ug/L	1.0	88.8	76	138			
1,2-Dichloropropane	4.48	ug/L	1.0	89.6	72	135			
1,3-Dichloropropane	4.44	ug/L	1.0	88.8	75	134			
2,2-Dichloropropane	4.64	ug/L	1.0	92.8	42	167			
1,1-Dichloropropene	4.40	ug/L	1.0	88	72	140			
cis-1,3-Dichloropropene	4.52	ug/L	1.0	90.4	75	132			
trans-1,3-Dichloropropene	4.92	ug/L	1.0	98.4	77	145			
Ethylbenzene	4.40	ug/L	1.0	88	78	131			
Hexachlorobutadiene	4.52	ug/L	1.0	90.4	65	141			
2-Hexanone	45.6	ug/L	20	91.2	72	131			
Methyl ethyl ketone	42.4	ug/L	20	84.8	55	145			
Methyl isobutyl ketone	46.4	ug/L	20	92.8	73	129			
Methylene chloride	4.32	ug/L	1.0	86.4	73	126			
Naphthalene	4.96	ug/L	1.0	99.2	55	139			
Styrene	4.56	ug/L	1.0	91.2	76	134			
1,1,1,2-Tetrachloroethane	4.44	ug/L	1.0	88.8	75	135			
1,1,2,2-Tetrachloroethane	4.84	ug/L	1.0	96.8	72	132			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Blue River Bow Trucks Work Dep.
Project: B30 Oil Leak#1

Report Date: 07/24/05
Work Order: P0501170

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPD Limit	Qual
Method: SW8260B									Batch: R124173
Sample ID: lcs0723-05		Laboratory Control Spike				Run: SV-07-1 2005-07-23			07/23/05 17:00
Acetone	27.6	ug/L	20	75.7	60	130			
Benzene	4.82	ug/L	1.0	96.4	71	123			
Bromobenzene	4.48	ug/L	1.0	89.6	68	131			
Bromochloromethane	4.30	ug/L	1.0	86	67	128			
Bromodichloromethane	4.64	ug/L	1.0	92.8	64	132			
Bromoform	5.44	ug/L	1.0	109	60	139			
Bromomethane	4.60	ug/L	1.0	92	51	144			
Carbon tetrachloride	4.34	ug/L	1.0	86.8	73	126			
Chlorobenzene	4.48	ug/L	1.0	89.6	72	130			
Chloroethane	4.36	ug/L	1.0	87.2	64	136			
Chloroform	4.40	ug/L	1.0	88	69	133			
Chloromethane	5.18	ug/L	1.0	103	63	146			
1,2-Dibromo-3-chloropropane	4.48	ug/L	1.0	89.6	60	175			
1,2-Dibromoethane	4.32	ug/L	1.0	86.4	75	131			
Dibromomethane	4.40	ug/L	1.0	88	72	128			
1,2-Dichlorobenzene	4.44	ug/L	1.0	88.8	72	129			
1,3-Dichlorobenzene	4.32	ug/L	1.0	86.4	70	132			
1,4-Dichlorobenzene	4.38	ug/L	1.0	87.6	70	131			
Dichlorodifluoromethane	5.00	ug/L	1.0	100	55	144			
1,1-Dichloroethane	4.72	ug/L	1.0	94.4	72	130			
1,2-Dichloroethane	4.70	ug/L	1.0	94	67	140			
1,1-Dichloroethene	4.44	ug/L	1.0	88.8	65	142			
cis-1,2-Dichloroethene	4.42	ug/L	1.0	88	74	132			
trans-1,2-Dichloroethene	4.48	ug/L	1.0	89.6	73	128			
1,2-Dichloropropane	4.42	ug/L	1.0	88.4	72	128			
1,3-Dichloropropane	4.44	ug/L	1.0	88.8	75	124			
2,2-Dichloropropane	4.64	ug/L	1.0	92.8	42	167			
1,1-Dichloropropene	4.40	ug/L	1.0	88	72	140			
cis-1,3-Dichloropropene	4.52	ug/L	1.0	90.4	73	132			
trans-1,3-Dichloropropene	4.52	ug/L	1.0	90.4	72	148			
Ethylbenzene	4.40	ug/L	1.0	88	73	131			
Hexachlorobutadiene	4.52	ug/L	1.0	90.4	65	141			
2-Hexanone	42.8	ug/L	20	81.2	72	131			
Methyl ethyl ketone	42.4	ug/L	20	84.8	55	146			
Methyl isobutyl ketone	40.4	ug/L	20	80.8	72	128			
Methylene chloride	4.32	ug/L	1.0	86.4	72	128			
Naphthalene	4.60	ug/L	1.0	92.2	65	136			
Styrene	4.30	ug/L	1.0	81.2	76	124			
1,1,1,2-Tetrachloroethane	4.44	ug/L	1.0	88.8	75	136			
1,1,2,2-Tetrachloroethane	4.64	ug/L	1.0	92.8	72	132			

Qualifiers:
RL - Analyte reporting limit.

MDL - Method detection limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill

Report Date: 03/28/06
Work Order: B06031139

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R73413
Sample ID: lcs032406	Laboratory Control Spike				Run: SV5972.I_060324C				03/24/06 11:36
Tetrachloroethene	4.48	ug/L	1.0	89.6	78	137			
Toluene	4.48	ug/L	1.0	89.6	78	134			
1,2,4-Trichlorobenzene	4.88	ug/L	1.0	97.6	58	142			
1,1,1-Trichloroethane	4.32	ug/L	1.0	86.4	64	141			
1,1,2-Trichloroethane	4.40	ug/L	1.0	88	72	133			
Trichloroethene	4.48	ug/L	1.0	89.6	75	138			
Trichlorofluoromethane	4.80	ug/L	1.0	96	58	139			
1,2,3-Trichloropropane	4.64	ug/L	1.0	92.8	67	133			
Vinyl chloride	5.12	ug/L	1.0	102	66	140			
m+p-Xylenes	9.00	ug/L	1.0	90	78	133			
o-Xylene	4.48	ug/L	1.0	89.6	79	136			
Surr: 1,2-Dichloroethane-d4			1.0	93.2	70	130			
Surr: Dibromofluoromethane			1.0	101	77	126			
Surr: p-Bromofluorobenzene			1.0	106	76	127			
Surr: Toluene-d8			1.0	103	79	122			
Sample ID: lcsa032406	Laboratory Control Spike				Run: SV5972.I_060324C				03/24/06 12:04
Acrolein	62.8	ug/L	20	126	22	203			
Acrylonitrile	47.6	ug/L	20	95.2	60	130			
Allyl chloride	4.92	ug/L	1.0	98.4	68	126			
Carbon disulfide	4.56	ug/L	1.0	91.2	46	145			
Chloroprene	4.76	ug/L	1.0	95.2	68	120			
trans-1,4-Dichloro-2-butene	4.28	ug/L	1.0	85.6	50	142			
Ethyl methacrylate	4.76	ug/L	1.0	95.2	54	133			
Iodomethane	4.96	ug/L	1.0	99.2	66	132			
Isobutanol	110	ug/L	50	87.7	71	137			
Methacrylonitrile	48.8	ug/L	20	97.6	68	122			
Methyl methacrylate	4.80	ug/L	1.0	96	77	113			
Pentachloroethane	4.56	ug/L	1.0	91.2	42	135			
Propionitrile	46.8	ug/L	20	93.6	52	143			
Vinyl acetate	4.52	ug/L	1.0	90.4	31	124			
Surr: 1,2-Dichloroethane-d4			1.0	97.2	70	130			
Surr: Dibromofluoromethane			1.0	102	77	126			
Surr: p-Bromofluorobenzene			1.0	104	76	127			
Surr: Toluene-d8			1.0	102	79	122			
Sample ID: lcsc032406	Laboratory Control Spike				Run: SV5972.I_060324C				03/24/06 13:01
Acetonitrile	40.4	ug/L	20	80.8	48	130			
Surr: 1,2-Dichloroethane-d4			1.0	98.8	70	130			
Surr: Dibromofluoromethane			1.0	102	77	126			
Surr: p-Bromofluorobenzene			1.0	105	76	127			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sun Silver Tow Public Works Dept
Project: B2B Old Landfill

Report Date: 03/12/06
Work Order: R0507170

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPD Limit	Qual
Method: SW8260B									Batch: R0
Sample ID: lcs2224ug					Laboratory Control Sample				03/14/06 11:39
Tetrachloroethene	4.41	ug/L	1.0	88.3	78	127			
Toluene	4.48	ug/L	1.0	89.5	76	124			
1,2,4-Trichlorobenzene	4.80	ug/L	1.0	97.6	58	142			
1,1,1-Trichloroethane	4.22	ug/L	1.0	88.4	64	141			
1,1,2-Trichloroethane	4.40	ug/L	1.0	88	72	133			
Trichloroethene	4.64	ug/L	1.0	92.8	73	128			
Trichlorofluoromethane	4.69	ug/L	1.0	93	62	139			
1,2,3-Trichloropropane	4.64	ug/L	1.0	92.3	67	133			
Vinyl chloride	5.12	ug/L	1.0	102	55	140			
m+p-Xylene	9.00	ug/L	1.0	90	75	133			
o-Xylene	4.48	ug/L	1.0	89.6	79	136			
Sum: 1,2-Dichlorobenzene-d4			1.0	50.2	70	130			
Sum: Dibromofluoromethane			1.0	101	77	130			
Sum: p-Bromofluorobenzene			1.0	108	78	127			
Sum: Toluene-d8			1.0	103	75	132			
Sample ID: lcs2223ug					Laboratory Control Sample				03/14/06 12:01
Acrolein	92.8	ug/L	20	126	22	203			
Acrylonitrile	47.3	ug/L	20	95.2	60	130			
Allyl chloride	44.92	ug/L	1.0	89.8	68	129			
Carbon disulfide	43.86	ug/L	1.0	87.7	46	148			
Chloroprene	43.76	ug/L	1.0	87.5	65	130			
trans-1,4-Dichloro-2-butene	44.29	ug/L	1.0	88.6	50	140			
Ethyl methacrylate	47.10	ug/L	1.0	94.2	54	139			
Methacrylonitrile	44.68	ug/L	1.0	89.3	60	132			
Isobutanol	118	ug/L	50	87.1	71	137			
Methacrylamide	89.5	ug/L	50	67.8	58	132			
Methyl methacrylate	44.80	ug/L	1.0	90	72	113			
Pentachloroethane	44.68	ug/L	1.0	91.2	45	138			
Propionitrile	42.8	ug/L	20	73.8	32	143			
Vinyl acetate	44.55	ug/L	1.0	89.1	31	134			
Sum: 1,2-Dichlorobenzene-d4			1.0	97.2	70	130			
Sum: Dibromofluoromethane			1.0	102	77	128			
Sum: p-Bromofluorobenzene			1.0	104	78	127			
Sum: Toluene-d8			1.0	102	76	132			
Sample ID: lcs2227ug					Laboratory Control Sample				03/14/06 12:01
Acetonitrile	40.4	ug/L	20	80.8	48	136			
Sum: 1,2-Dichlorobenzene-d4			1.0	98.8	70	130			
Sum: Dibromofluoromethane			1.0	102	77	128			
Sum: p-Bromofluorobenzene			1.0	103	78	127			

Qualifiers:
RL - Analyte reporting limit

MDL - Not detected at the reporting limit

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill

Report Date: 03/28/06
Work Order: B06031139

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R73413
Sample ID: lcsc032406	Laboratory Control Spike				Run: SV5972.I_060324C				03/24/06 13:01
Surr: Toluene-d8			1.0	100	79	122			
Sample ID: mblk032406	Method Blank				Run: SV5972.I_060324C				03/24/06 14:14
Acetone	ND	ug/L	20						
Acetonitrile	ND	ug/L	20						
Acrolein	ND	ug/L	20						
Acrylonitrile	ND	ug/L	20						
Allyl chloride	ND	ug/L	1.0						
Benzene	ND	ug/L	1.0						
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
Carbon disulfide	ND	ug/L	1.0						
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
Chloroprene	ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
1,2-Dibromoethane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						
1,2-Dichlorobenzene	ND	ug/L	1.0						
1,3-Dichlorobenzene	ND	ug/L	1.0						
1,4-Dichlorobenzene	ND	ug/L	1.0						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0						
Dichlorodifluoromethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						
1,2-Dichloroethane	ND	ug/L	1.0						
1,1-Dichloroethene	ND	ug/L	1.0						
cis-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						
1,2-Dichloropropane	ND	ug/L	1.0						
1,3-Dichloropropane	ND	ug/L	1.0						
2,2-Dichloropropane	ND	ug/L	1.0						
1,1-Dichloropropene	ND	ug/L	1.0						
cis-1,3-Dichloropropene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						
Ethylbenzene	ND	ug/L	1.0						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Bane Silver Bow Public Water Dept
Project: BSB OIL Landfill

Report Date: 02/24/06
Work Order: BB0021179

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPD Limit	Qual
Method: SW8260B									**Batch: B72413**
Sample ID: ICV0022409			**Laboratory Control Sample**					**Run: SVOC1Z1_060224C**	**02/24/06 12:01**
Silver, Total		ug/L	1.0	100	70	122			
Sample ID: mb1002409			**Method Blank**					**Run: SVOC1Z1_060224C**	**02/24/06 14:14**
Acetone		ug/L	20						
Acrylonitrile		ug/L	20						
Acrolein		ug/L	20						
Acrylonitrile		ug/L	20						
Allyl chloride		ug/L	1.0						
Benzene		ug/L	1.0						
Bromobromomethane		ug/L	1.0						
Bromodichloromethane		ug/L	1.0						
Bromoform		ug/L	1.0						
Bromomethane		ug/L	1.0						
Carbon disulfide		ug/L	1.0						
Carbon tetrachloride		ug/L	1.0						
Chlorobenzene		ug/L	1.0						
Chlorodibromomethane		ug/L	1.0						
Chloroethane		ug/L	1.0						
Chloroform		ug/L	1.0						
Chloromethane		ug/L	1.0						
Cis-1,3-Dichloropropene		ug/L	1.0						
1,2-Dibromo-3-chloropropane		ug/L	1.0						
1,2-Dibromoethane		ug/L	1.0						
Dibromomethane		ug/L	1.0						
1,2-Dichlorobenzene		ug/L	1.0						
1,3-Dichlorobenzene		ug/L	1.0						
1,4-Dichlorobenzene		ug/L	1.0						
trans-1,4-Dichloro-2-butene		ug/L	1.0						
Dichlorodifluoromethane		ug/L	1.0						
1,1-Dichloroethane		ug/L	1.0						
1,2-Dichloroethane		ug/L	1.0						
1,1-Dichloroethene		ug/L	1.0						
cis-1,2-Dichloroethene		ug/L	1.0						
trans-1,2-Dichloroethene		ug/L	1.0						
1,2-Dichloropropane		ug/L	1.0						
1,3-Dichloropropane		ug/L	1.0						
2,2-Dichloropropane		ug/L	1.0						
1,1-Dichloropropene		ug/L	1.0						
cis-1,3-Dichloropropene		ug/L	1.0						
trans-1,3-Dichloropropene		ug/L	1.0						
Ethylbenzene		ug/L	1.0						

Qualifiers:
RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill

Report Date: 03/28/06
Work Order: B06031139

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R73413
Sample ID: mblk032406	Method Blank				Run: SV5972.I_060324C				03/24/06 14:14
Ethyl methacrylate	ND	ug/L	1.0						
Hexachlorobutadiene	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						
Iodomethane	ND	ug/L	1.0						
Isobutanol	ND	ug/L	50						
Methacrylonitrile	ND	ug/L	20						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methyl methacrylate	ND	ug/L	1.0						
Methylene chloride	ND	ug/L	1.0						
Naphthalene	ND	ug/L	1.0						
Pentachloroethane	ND	ug/L	1.0						
Propionitrile	ND	ug/L	20						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,2,4-Trichlorobenzene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Xylenes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	96.4	70	130			
Surr: Dibromofluoromethane			1.0	99.6	77	126			
Surr: p-Bromofluorobenzene			1.0	106	76	127			
Surr: Toluene-d8			1.0	101	79	122			
Sample ID: B06031139-001Dms	Sample Matrix Spike				Run: SV5972.I_060324C				03/24/06 17:09
Benzene	9.92	ug/L	2.0	99.2	71	133			
Chlorobenzene	9.36	ug/L	2.0	93.6	78	136			
1,1-Dichloroethene	9.76	ug/L	2.0	97.6	66	142			
Toluene	9.60	ug/L	2.0	96	78	134			
Trichloroethene	9.60	ug/L	2.0	93.7	75	138			
Surr: 1,2-Dichloroethane-d4			2.0	96	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Rhode Island Bow Public Works Dept
Project: BSB Oil Leak

Report Date: 01/27/96
Work Order: R9503112G

Analyte	Result	Units	RL	MDEC	Low Limit	High Limit	RPD	RPD Limit	Qual
Method: SW8260B									
Sample ID: mb0022405			**Method Blank**						
Ethyl methacrylate	ND	ug/L	1.0						
Methacrylonitrile	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						
Iodomethane	ND	ug/L	1.0						
Isobutanol	ND	ug/L	20						
Methacrylonitrile	ND	ug/L	20						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methyl methacrylate	ND	ug/L	1.0						
Methylene chloride	ND	ug/L	1.0						
Naphthalene	ND	ug/L	1.0						
Pentachloroethane	ND	ug/L	1.0						
Propionitrile	ND	ug/L	20						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,2,4-Trichlorobenzene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl bromide	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Xylenes, Total	ND	ug/L	1.0						
Surr: 4-Bromofluorobenzene			1.0	99.4	70		130		
Surr: Dibromofluoromethane			1.0	99.6	77		120		
Surr: p-Bromofluorobenzene			1.0	108	76		127		
Surr: Toluene-d8			1.0	101	79		122		
Sample ID: B9503112-001Dms			**Sample Matrix Spike**						
Benzene	8.32	ug/L	2.0	99.2	71		123		
Chlorobenzene	8.76	ug/L	2.0	104	70		131		
1,1-Dichloroethene	9.18	ug/L	2.0	97.8	80		142		
Toluene	9.00	ug/L	2.0	98	73		134		
Trichloroethene	9.60	ug/L	2.0	113	71		138		
Surr: 1,2-Dichlorobenzene-d4			2.0	99	70		130		

Qualifiers:
RL - Analyte reporting limit
ND - Not detected at the reporting limit

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill

Report Date: 03/28/06
Work Order: B06031139

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R73413
Sample ID: B06031139-001Dms	Sample Matrix Spike				Run: SV5972.I_060324C				03/24/06 17:09
Surr: Dibromofluoromethane			2.0	101	77	126			
Surr: p-Bromofluorobenzene			2.0	104	76	127			
Surr: Toluene-d8			2.0	101	79	122			
-The sample was diluted by 2 times before spiking.									
Sample ID: B06031139-001Dmsd	Sample Matrix Spike Duplicate				Run: SV5972.I_060324C				03/24/06 17:38
Benzene	9.84	ug/L	2.0	98.4	71	133	0.8	20	
Chlorobenzene	9.44	ug/L	2.0	94.4	78	136	0.9	20	
1,1-Dichloroethene	9.76	ug/L	2.0	97.6	66	142	0	20	
Toluene	9.60	ug/L	2.0	96	78	134	0	20	
Trichloroethene	9.68	ug/L	2.0	94.5	75	138	0.8	20	
Surr: 1,2-Dichloroethane-d4			2.0	98	70	130			
Surr: Dibromofluoromethane			2.0	102	77	126			
Surr: p-Bromofluorobenzene			2.0	107	76	127			
Surr: Toluene-d8			2.0	102	79	122			
-The sample was diluted by 2 times before spiking									

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill

Report Date: 03/28/06
Work Order: B06031139

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R73413
Sample ID: lcs032406	Laboratory Control Spike				Run: SV5972.I_060324C				03/24/06 11:36
Acetone	37.8	ug/L	20	75.7	62	130			
Benzene	4.52	ug/L	1.0	90.4	71	133			
Bromochloromethane	4.48	ug/L	1.0	89.6	68	131			
Bromodichloromethane	4.20	ug/L	1.0	84	67	138			
Bromoform	4.64	ug/L	1.0	92.8	64	136			
Bromomethane	5.44	ug/L	1.0	109	60	138			
Carbon tetrachloride	4.40	ug/L	1.0	88	61	144			
Chlorobenzene	4.44	ug/L	1.0	88.8	78	136			
Chlorodibromomethane	4.48	ug/L	1.0	89.6	72	136			
Chloroethane	4.96	ug/L	1.0	99.2	64	136			
Chloroform	4.40	ug/L	1.0	88	69	133			
Chloromethane	5.16	ug/L	1.0	103	63	149			
1,2-Dibromo-3-chloropropane	4.48	ug/L	1.0	89.6	63	125			
1,2-Dibromoethane	4.52	ug/L	1.0	90.4	75	131			
Dibromomethane	4.40	ug/L	1.0	88	72	133			
1,2-Dichlorobenzene	4.64	ug/L	1.0	92.8	78	129			
1,3-Dichlorobenzene	4.52	ug/L	1.0	90.4	79	132			
1,4-Dichlorobenzene	4.56	ug/L	1.0	91.2	78	131			
Dichlorodifluoromethane	6.00	ug/L	1.0	120	55	141			
1,1-Dichloroethane	4.48	ug/L	1.0	89.6	72	130			
1,2-Dichloroethane	4.40	ug/L	1.0	88	57	146			
1,1-Dichloroethene	4.44	ug/L	1.0	88.8	66	142			
cis-1,2-Dichloroethene	4.40	ug/L	1.0	88	74	133			
trans-1,2-Dichloroethene	4.44	ug/L	1.0	88.8	76	138			
1,2-Dichloropropane	4.48	ug/L	1.0	89.6	72	135			
1,3-Dichloropropane	4.44	ug/L	1.0	88.8	75	134			
2,2-Dichloropropane	4.64	ug/L	1.0	92.8	42	167			
1,1-Dichloropropene	4.40	ug/L	1.0	88	72	140			
cis-1,3-Dichloropropene	4.52	ug/L	1.0	90.4	75	132			
trans-1,3-Dichloropropene	4.92	ug/L	1.0	98.4	77	145			
Ethylbenzene	4.40	ug/L	1.0	88	78	131			
Hexachlorobutadiene	4.52	ug/L	1.0	90.4	65	141			
2-Hexanone	45.6	ug/L	20	91.2	72	131			
Methyl ethyl ketone	42.4	ug/L	20	84.8	55	145			
Methyl isobutyl ketone	46.4	ug/L	20	92.8	73	129			
Methylene chloride	4.32	ug/L	1.0	86.4	73	126			
Naphthalene	4.96	ug/L	1.0	99.2	55	139			
Styrene	4.56	ug/L	1.0	91.2	76	134			
1,1,1,2-Tetrachloroethane	4.44	ug/L	1.0	88.8	75	135			
1,1,2,2-Tetrachloroethane	4.84	ug/L	1.0	96.8	72	132			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: State Street Bros Public Works Dept
Project: BSB Oil Leak[illegible]

Report Date: 01/23/04
Work Order: [illegible]

Analyte	Result	Units	RL	Method Blank	Lab Control	RPD	Recovery Limits	Date
Subpoet: SW8260B								Batch 872475
Sample ID: [illegible]	Laboratory Control Data				File: SV[illegible]			03/24/04 11:06
4-Iodo	37.6	ug/L	20	102	87	130		
Benzene	4.32	ug/L	1.0	99.1	71	127		
Bromobenzene	4.48	ug/L	1.0	87.8	73	131		
Bromochloromethane	4.35	ug/L	1.0	84	80	132		
Bromodichloromethane	4.04	ug/L	1.0	102.8	84	130		
Bromoform	3.44	ug/L	1.0	106	60	136		
Bromomethane	4.00	ug/L	1.0	80	61	144		
Carbon tetrachloride	4.44	ug/L	1.0	88.8	76	133		
Chlorobenzene	4.48	ug/L	1.0	89.6	72	136		
Chlorodibromomethane	4.00	ug/L	1.0	99.2	64	138		
Chloroethane	4.40	ug/L	1.0	88	60	139		
Chloroform	5.16	ug/L	1.0	103	63	140		
Chloromethane	4.48	ug/L	1.0	89.6	67	132		
1,2-Dibromo-3-chloropropane	4.32	ug/L	1.0	90.8	75	131		
1,2-Dibromoethane	4.40	ug/L	1.0	88	72	132		
Dibromomethane	4.64	ug/L	1.0	92.8	72	130		
1,2-Dichlorobenzene	4.52	ug/L	1.0	90.4	70	132		
1,3-Dichlorobenzene	4.60	ug/L	1.0	91.2	74	131		
1,4-Dichlorobenzene	6.00	ug/L	1.0	120	85	141		
Dichlorodifluoromethane	4.44	ug/L	1.0	88.8	72	130		
1,1-Dichloroethane	4.40	ug/L	1.0	88	67	140		
1,2-Dichloroethane	4.64	ug/L	1.0	92.8	88	142		
1,1-Dichloroethene	4.61	ug/L	1.0	92	74	133		
cis-1,2-Dichloroethene	4.41	ug/L	1.0	88.2	76	130		
trans-1,2-Dichloroethene	4.45	ug/L	1.0	89.0	72	139		
1,2-Dichloropropane	4.41	ug/L	1.0	88.2	75	134		
1,3-Dichloropropane	4.64	ug/L	1.0	92.8	82	137		
2,2-Dichloropropane	4.40	ug/L	1.0	88	72	140		
1,1-Dichloropropene	4.52	ug/L	1.0	90.4	75	132		
cis-1,3-Dichloropropene	4.32	ug/L	1.0	86.4	77	143		
trans-1,3-Dichloropropene	4.40	ug/L	1.0	88	78	137		
Ethylbenzene	4.52	ug/L	1.0	90.4	65	141		
Hexachlorobutadiene	4.56	ug/L	20	91.2	72	131		
2-Hexanone	42.4	ug/L	20	84.8	63	143		
Methyl ethyl ketone	42.4	ug/L	20	92.8	73	129		
Methyl isobutyl ketone	44.4	ug/L	20	88.8	73	128		
Methylene chloride	4.32	ug/L	1.0	86.4	63	130		
Naphthalene	4.88	ug/L	1.0	97.6	70	134		
Styrene	4.35	ug/L	1.0	88.2	75	133		
1,1,1,2-Tetrachloroethane	4.44	ug/L	1.0	88.8	72	132		
1,1,2,2-Tetrachloroethane	4.44	ug/L	1.0	88.8	72	132		

Qualifiers:
RL - Analyte reporting limit
ND - Not detected at the reporting limit

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill

Report Date: 03/28/06
Work Order: B06031139

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R73413
Sample ID: lcs032406	Laboratory Control Spike				Run: SV5972.I_060324C				03/24/06 11:36
Tetrachloroethene	4.48	ug/L	1.0	89.6	78	137			
Toluene	4.48	ug/L	1.0	89.6	78	134			
1,2,4-Trichlorobenzene	4.88	ug/L	1.0	97.6	58	142			
1,1,1-Trichloroethane	4.32	ug/L	1.0	86.4	64	141			
1,1,2-Trichloroethane	4.40	ug/L	1.0	88	72	133			
Trichloroethene	4.48	ug/L	1.0	89.6	75	138			
Trichlorofluoromethane	4.80	ug/L	1.0	96	58	139			
1,2,3-Trichloropropane	4.64	ug/L	1.0	92.8	67	133			
Vinyl chloride	5.12	ug/L	1.0	102	66	140			
m+p-Xylenes	9.00	ug/L	1.0	90	78	133			
o-Xylene	4.48	ug/L	1.0	89.6	79	136			
Surr: 1,2-Dichloroethane-d4			1.0	93.2	70	130			
Surr: Dibromofluoromethane			1.0	101	77	126			
Surr: p-Bromofluorobenzene			1.0	106	76	127			
Surr: Toluene-d8			1.0	103	79	122			
Sample ID: lcsa032406	Laboratory Control Spike				Run: SV5972.I_060324C				03/24/06 12:04
Acrolein	62.8	ug/L	20	126	22	203			
Acrylonitrile	47.6	ug/L	20	95.2	60	130			
Allyl chloride	4.92	ug/L	1.0	98.4	68	126			
Carbon disulfide	4.56	ug/L	1.0	91.2	46	145			
Chloroprene	4.76	ug/L	1.0	95.2	68	120			
trans-1,4-Dichloro-2-butene	4.28	ug/L	1.0	85.6	50	142			
Ethyl methacrylate	4.76	ug/L	1.0	95.2	54	133			
Iodomethane	4.96	ug/L	1.0	99.2	66	132			
Isobutanol	110	ug/L	50	87.7	71	137			
Methacrylonitrile	48.8	ug/L	20	97.6	68	122			
Methyl methacrylate	4.80	ug/L	1.0	96	77	113			
Pentachloroethane	4.56	ug/L	1.0	91.2	42	135			
Propionitrile	46.8	ug/L	20	93.6	52	143			
Vinyl acetate	4.52	ug/L	1.0	90.4	31	124			
Surr: 1,2-Dichloroethane-d4			1.0	97.2	70	130			
Surr: Dibromofluoromethane			1.0	102	77	126			
Surr: p-Bromofluorobenzene			1.0	104	76	127			
Surr: Toluene-d8			1.0	102	79	122			
Sample ID: lcsc032406	Laboratory Control Spike				Run: SV5972.I_060324C				03/24/06 13:01
Acetonitrile	40.4	ug/L	20	80.8	48	130			
Surr: 1,2-Dichloroethane-d4			1.0	98.8	70	130			
Surr: Dibromofluoromethane			1.0	102	77	126			
Surr: p-Bromofluorobenzene			1.0	105	76	127			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Iona Silver Bay Public Water Dept

Project: 05B Oil Leak[illegible]

Report Date: 07/25/06

Work Order: 06-0[illegible]

Analyte	Result	Units	RL	SMCL	Low Limit	High Limit	RPD	RPD Limit	Qual
Method: 524/524									Batch: R[illegible]
Sample ID: 1[illegible]	Laboratory Control Spike				Run: SV[illegible]				07/[illegible]/06 11:[illegible]
Tetrachloroethene	[illegible]	ug/L	1.0	[illegible]	[illegible]	78		137	
Toluene	[illegible]	ug/L	1.0	[illegible]	[illegible]	78		134	
1,2,4-Trichlorobenzene	[illegible]	ug/L	1.0	[illegible]	[illegible]	58		142	
1,4-Dichlorobenzene	[illegible]	ug/L	1.0	[illegible]	[illegible]	58		141	
1,2-Dichlorobenzene	[illegible]	ug/L	1.0	[illegible]	[illegible]	77		122	
Trichloroethene	[illegible]	ug/L	1.0	[illegible]	[illegible]	75		132	
Tetrachloroethylene	[illegible]	ug/L	1.0	[illegible]	[illegible]	58		130	
1,2,3-Trichlorobenzene	[illegible]	ug/L	1.0	[illegible]	[illegible]	67		133	
Vinyl chloride	[illegible]	ug/L	1.0	[illegible]	[illegible]	68		140	
m+p-Xylene	[illegible]	ug/L	1.0	[illegible]	[illegible]	78		133	
o-Xylene	[illegible]	ug/L	1.0	[illegible]	[illegible]	79		130	
Surr: 1,2-Dichlorobenzene-d4			1.0	[illegible]	[illegible]	75		130	
Surr: Dibromofluoromethane			1.0	[illegible]	[illegible]	77		128	
Surr: p-Bromofluorobenzene			1.0	[illegible]	[illegible]	73		127	
Surr: Toluene-d8			1.0	[illegible]	[illegible]	79		122	
Sample ID: 1[illegible]	Laboratory Control Spike				Run: SV[illegible]				07/[illegible]/06 12:[illegible]
Acetone	[illegible]	ug/L	20	[illegible]	[illegible]	22		201	
Acrylonitrile	[illegible]	ug/L	20	[illegible]	[illegible]	60		190	
Allyl chloride	[illegible]	ug/L	1.0	[illegible]	[illegible]	68		128	
Carbon disulfide	[illegible]	ug/L	1.0	[illegible]	[illegible]	46		145	
Chloroprene	[illegible]	ug/L	1.0	[illegible]	[illegible]	65		130	
trans-1,4-Dichloro-2-butene	[illegible]	ug/L	1.0	[illegible]	[illegible]	60		142	
Ethylmethacrylate	[illegible]	ug/L	1.0	[illegible]	[illegible]	64		132	
Isobutanol	[illegible]	ug/L	1.0	[illegible]	[illegible]	68		127	
Isobutanol	110	ug/L	50	[illegible]	[illegible]	71		127	
Methacrylonitrile	[illegible]	ug/L	20	[illegible]	[illegible]	66		122	
Methyl methacrylate	[illegible]	ug/L	1.0	[illegible]	[illegible]	77		113	
Propionitrile	[illegible]	ug/L	1.0	[illegible]	[illegible]	42		120	
Propionitrile	[illegible]	ug/L	20	[illegible]	[illegible]	32		143	
Vinyl acetate	[illegible]	ug/L	1.0	[illegible]	[illegible]	34		132	
Surr: 1,2-Dichlorobenzene-d4			1.0	[illegible]	[illegible]	75		130	
Surr: Dibromofluoromethane			1.0	[illegible]	[illegible]	77		129	
Surr: p-Bromofluorobenzene			1.0	[illegible]	[illegible]	73		127	
Surr: Toluene-d8			1.0	[illegible]	[illegible]	79		122	
Sample ID: 1[illegible]	Laboratory Control Spike				Run: SV[illegible]				07/[illegible]/06 13:[illegible]
Acetonitrile	[illegible]	ug/L	20	[illegible]	[illegible]	48		130	
Surr: 1,2-Dichlorobenzene-d4			1.0	[illegible]	[illegible]	75		130	
Surr: Dibromofluoromethane			1.0	[illegible]	[illegible]	77		129	
Surr: p-Bromofluorobenzene			1.0	[illegible]	[illegible]	73		127	

Qualifiers:

RL - Analyte reporting limit

MDL - Method detection limit at the reporting limit

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill

Report Date: 03/28/06
Work Order: B06031139

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R73413
Sample ID: lcsc032406	Laboratory Control Spike				Run: SV5972.I_060324C				03/24/06 13:01
Surr: Toluene-d8			1.0	100	79	122			
Sample ID: mblk032406	Method Blank				Run: SV5972.I_060324C				03/24/06 14:14
Acetone	ND	ug/L	20						
Acetonitrile	ND	ug/L	20						
Acrolein	ND	ug/L	20						
Acrylonitrile	ND	ug/L	20						
Allyl chloride	ND	ug/L	1.0						
Benzene	ND	ug/L	1.0						
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
Carbon disulfide	ND	ug/L	1.0						
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
Chloroprene	ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
1,2-Dibromoethane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						
1,2-Dichlorobenzene	ND	ug/L	1.0						
1,3-Dichlorobenzene	ND	ug/L	1.0						
1,4-Dichlorobenzene	ND	ug/L	1.0						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0						
Dichlorodifluoromethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						
1,2-Dichloroethane	ND	ug/L	1.0						
1,1-Dichloroethene	ND	ug/L	1.0						
cis-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						
1,2-Dichloropropane	ND	ug/L	1.0						
1,3-Dichloropropane	ND	ug/L	1.0						
2,2-Dichloropropane	ND	ug/L	1.0						
1,1-Dichloropropene	ND	ug/L	1.0						
cis-1,3-Dichloropropene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						
Ethylbenzene	ND	ug/L	1.0						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Dade Silver Bow Public Works Dept.
Project: BSB Old Landfill

Report Date: 01/28/06
Work Order: D0601129

Analyte	Result	Units	RL	MRDC	Low Limit	High Limit	RPD	%Recovery	Qual
Method: SW8260B									Batch: R124412
Sample ID: Iceal1240B		Laboratory Control Sample					Run: SVS5721_060124C		06/24/06 13:01
Gun: Toluene-d8			1.0	100	79	122			
Sample ID: mb0624-06		Method Blank					Run: SVS5721_060124C		06/24/06 14:14
Acetone		ND ug/L	20						
Acrylonitrile		ND ug/L	20						
Toluene		ND ug/L	20						
Acetaldehyde		ND ug/L	20						
Allyl chloride		ND ug/L	1.0						
Benzene		ND ug/L	1.0						
Bromodichloromethane		ND ug/L	1.0						
Bromoform		ND ug/L	1.0						
Bromomethane		ND ug/L	1.0						
Carbon disulfide		ND ug/L	1.0						
Carbon tetrachloride		ND ug/L	1.0						
Chlorobenzene		ND ug/L	1.0						
Chlorodibromomethane		ND ug/L	1.0						
Chloroethane		ND ug/L	1.0						
Chloroform		ND ug/L	1.0						
Chloromethane		ND ug/L	1.0						
Cyclohexane		ND ug/L	1.0						
1,2-Dibromo-3-chloropropane		ND ug/L	1.0						
1,2-Dibromoethane		ND ug/L	1.0						
Dibromomethane		ND ug/L	1.0						
1,2-Dichlorobenzene		ND ug/L	1.0						
1,3-Dichlorobenzene		ND ug/L	1.0						
1,4-Dichlorobenzene		ND ug/L	1.0						
trans-1,4-Dichloro-2-butene		ND ug/L	1.0						
Dichlorodifluoromethane		ND ug/L	1.0						
1,1-Dichloroethane		ND ug/L	1.0						
1,2-Dichloroethane		ND ug/L	1.0						
1,1-Dichloroethene		ND ug/L	1.0						
cis-1,2-Dichloroethene		ND ug/L	1.0						
trans-1,2-Dichloroethene		ND ug/L	1.0						
1,2-Dichloropropane		ND ug/L	1.0						
1,3-Dichloropropane		ND ug/L	1.0						
2,2-Dichloropropane		ND ug/L	1.0						
1,1-Dichloropropene		ND ug/L	1.0						
cis-1,3-Dichloropropene		ND ug/L	1.0						
trans-1,3-Dichloropropene		ND ug/L	1.0						
Diethylether		ND ug/L	1.0						

Qual Key:
RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill

Report Date: 03/28/06
Work Order: B06031139

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R73413
Sample ID: mblk032406	Method Blank				Run: SV5972.I_060324C				03/24/06 14:14
Ethyl methacrylate	ND	ug/L	1.0						
Hexachlorobutadiene	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						
Iodomethane	ND	ug/L	1.0						
Isobutanol	ND	ug/L	50						
Methacrylonitrile	ND	ug/L	20						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methyl methacrylate	ND	ug/L	1.0						
Methylene chloride	ND	ug/L	1.0						
Naphthalene	ND	ug/L	1.0						
Pentachloroethane	ND	ug/L	1.0						
Propionitrile	ND	ug/L	20						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,2,4-Trichlorobenzene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Xylenes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	96.4	70	130			
Surr: Dibromofluoromethane			1.0	99.6	77	126			
Surr: p-Bromofluorobenzene			1.0	106	76	127			
Surr: Toluene-d8			1.0	101	79	122			
Sample ID: B06031139-001Dms	Sample Matrix Spike				Run: SV5972.I_060324C				03/24/06 17:09
Benzene	9.92	ug/L	2.0	99.2	71	133			
Chlorobenzene	9.36	ug/L	2.0	93.6	78	136			
1,1-Dichloroethene	9.76	ug/L	2.0	97.6	66	142			
Toluene	9.60	ug/L	2.0	96	78	134			
Trichloroethene	9.60	ug/L	2.0	93.7	75	138			
Surr: 1,2-Dichloroethane-d4			2.0	96	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Lake Silver Bow Public Water Dept.
Project: BSU OU Landfill

Report Date: 03/22/06
Work Order: B0603122

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPD Lim	Qual
Method: SW8260B									Batch: 6124.15
Sample ID: mb1022603			Matrix: Blank				Run: SVOA7L1_060322C		03/22/06 14:14
Ethylbenzene	ND	ug/L	1.0						
Hexachlorobutadiene	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						
Iodomethane	ND	ug/L	1.0						
Isobutanol	ND	ug/L	80						
Methylacrylonitrile	ND	ug/L	20						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methyl methacrylate	ND	ug/L	1.0						
Methylene chloride	ND	ug/L	1.0						
Naphthalene	ND	ug/L	1.0						
Pentachloroethane	ND	ug/L	1.0						
Propionitrile	ND	ug/L	20						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,2,4-Trichlorobenzene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m-p-Xylene	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Xylenes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	95.4	70	130			
Surr: Dibromofluoromethane			1.0	99.8	77	139			
Surr: p-Bromofluorobenzene			1.0	104	76	127			
Surr: Toluene-d8			1.0	101	75	122			
Sample ID: B0603122S-001Dms			Matrix: Water				Run: SVOA7L1_060322C		03/22/06 17:00
Benzene	8.32	ug/L	2.0	90.2	71	133			
Chlorobenzene	9.38	ug/L	2.0	93.9	73	128			
1,4-Dichlorobenzene	9.79	ug/L	2.0	97.5	69	142			
Toluene	9.80	ug/L	2.0	98	75	134			
Trichloroethene	9.89	ug/L	2.0	98.7	75	138			
Surr: 1,2-Dichloroethane-d4			2.0	95	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

ENERGY LABORATORIES, INC. • P.O. Box 30916 • 1120 South 27th Street • Billings, MT 59107-0916
800-735-4489 • 406-252-6325 • 406-252-6069 fax • eli@energylab.com

QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: BSB Old Landfill

Report Date: 03/28/06
Work Order: B06031139

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R73413
Sample ID: B06031139-001Dms	Sample Matrix Spike				Run: SV5972.I_060324C				03/24/06 17:09
Surr: Dibromofluoromethane			2.0	101	77	126			
Surr: p-Bromofluorobenzene			2.0	104	76	127			
Surr: Toluene-d8			2.0	101	79	122			
-The sample was diluted by 2 times before spiking.									
Sample ID: B06031139-001Dmsd	Sample Matrix Spike Duplicate				Run: SV5972.I_060324C				03/24/06 17:38
Benzene	9.84	ug/L	2.0	98.4	71	133	0.8	20	
Chlorobenzene	9.44	ug/L	2.0	94.4	78	136	0.9	20	
1,1-Dichloroethene	9.76	ug/L	2.0	97.6	66	142	0	20	
Toluene	9.60	ug/L	2.0	96	78	134	0	20	
Trichloroethene	9.68	ug/L	2.0	94.5	75	138	0.8	20	
Surr: 1,2-Dichloroethane-d4			2.0	98	70	130			
Surr: Dibromofluoromethane			2.0	102	77	126			
Surr: p-Bromofluorobenzene			2.0	107	76	127			
Surr: Toluene-d8			2.0	102	79	122			
-The sample was diluted by 2 times before spiking									

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Energy Laboratories Inc

Sample Receipt Checklist

Client Name Butte Silver Bow Public Works Dept

Date and Time Received: 3/17/2006 2:05:53 PM

Work Order Number B06031139

Received by klm

Login completed by: Krystal McDonald (Signature) 3/17/2006 2:05:53 (Date)

Reviewed by _____ Initials _____ Date _____

Carrier name UPS ARS Ground

	Yes	No	Not Present
Shipping container/cooler in good condition?	☑	☐	☐
Custody seals intact on shipping container/cooler?	☑	☐	☐
Custody seals intact on sample bottles?	☐	☐	☑
Chain of custody present?	☑	☐	
Chain of custody signed when relinquished and received?	☑	☐	
Chain of custody agrees with sample labels?	☑	☐	
Samples in proper container/bottle?	☑	☐	
Sample containers intact?	☑	☐	
Sufficient sample volume for indicated test?	☑	☐	
All samples received within holding time?	☑	☐	
Container/Temp Blank temperature in compliance?	☐	☑	7 °C
Water - VOA vials have zero headspace?	☑	☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	☐	☐	Not Applicable ☑

Adjusted? _____ Checked by _____

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments:

Corrective Action _____

Energy Laboratories Inc

Sample Receipt Checklist

Client Name Butte River Gas Plant, Wally Cox

Work Order Number 1806031188

Date and Time Received 2/11/2006 2:05:52 PM

Received by sdm

Login completed by Krystal VanDenend 2/11/2006 2:05:52 PM

Reviewed by

Sample type NPS Gas/Liq

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☐	No ☒	2°C
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☒

Adjusted? Checked by

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted: Date contacted: Person contacted:

Contacted by: Regarding:

Comments:

Corrective Action

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

PLEASE PRINT, provide as much information as possible. Refer to corresponding notes on reverse side.

Page 1 of 1

2 coolers

Company Name: Pioneer Technical Services	Project Name, PWS #, Permit #, Etc.: Butte Silver Bow Old Landfill
Report Mail Address: 63½ W. Broadway Butte, MT 59701	Contact Name, Phone, Fax, E-mail: Shawn Bisch 406-782-5177
	Sampler Name if other than Contact: Julie Flammang Brad Hollamon
Invoice Address: BSB Public Works Department 126 W Granite Butte MT 59701	Invoice Contact & Phone #: Gary Keeler
	Purchase Order #:
	ELI Quote #:

Report Required For: POTW/WWTP ☐ DW ☐ Other _____

Special Report Formats - ELI must be notified prior to sample submittal for the following:

NELAC ☐ A2LA ☐ Level IV ☐

Other _____

EDD/EDT ☐ Format _____

Notify ELI prior to RUSH sample submittal for additional charges and scheduling

Comments:

Shipped by: VARS GW

Cooler ID(s)

Receipt Temp 7 °C

Custody Seal Y N

Intact Y N

Signature Match Y N

Lab ID

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	Number of Containers / Sample Type: A W S V B O / Air Water Soils/Solids Vegetation Bioassay Other / MATRIX	8270	8151	608/8081	8260						SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments	LABORATORY USE ONLY Lab ID
1	BSB-GW-02	3/16/06	1145	6 W	X	X	X	X										B603139-1
2	BSB-GW-04	↓	1225	6 W	X	X	X	X										2
3	BSB-GW-05		1235	2 W				X										3
4	BSB-GW-01		1330	6 W	X	X	X	X										4
5	Trip Blank																	5
6																		
7																		
8																		
9																		
10																		

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Julie Flammang	3/16/06 1500	Julie Flammang			
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
				3/17/06 0445	[illegible]

Sample Disposal: Return to client: _____ Lab Disposal: _____

LABORATORY USE ONLY

Sample Type: _____ # of fractions _____

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at *www.energylab.com* for additional information, downloadable fee schedule, forms, & links.

#20

PIONEER TECHNICAL SERVICES, INC

P.O Box 3445, Butte, MT 59702
www.pioneer-technical.com

County Silver Bow #20
Facility & # Closed Butte-Silver Bow

Closure	Landfarm
Finan Assur	Liner
GW Corr Meas	Methane
GW Monitoring	O & M
GW Reports	Run-on
Inspections	
Other:	

December 30, 2008

Mr. Martin Van Oort
MDEQ/Solid Waste Program
P.O Box 200901
Helena, MT 59620-0901

Dear Martin,

Please find enclosed the omitted field notes for the groundwater sampling conducted at the Old Butte-Silver Bow County Landfill; the samples were collected on March 12 and September 25 and 26, 2008 as part of the assessment monitoring requirements.

Feel free to call me at 782-5177 with any questions or concerns you may have regarding the enclosed data.

Sincerely,

Brad Hollamon

Brad Hollamon
Senior Technician

Encl.

cc. Gary Keeler, BSB Landfill Manager
Shawn Bisch, Pioneer Technical Services Inc.
Shannon Dunlap, Atlantic Richfield Co.

RECEIVED
DEC 31 2008
Dept. of Enviro. Quality
Waste & Underground
Tank Management Bureau

HELENA
201 East Broadway, Suite C
Helena, MT 59601
Phone (406) 457-8252

BUTTE
63 1/2 West Broadway
Butte, MT 59701
Phone (406) 782-5177

ANACONDA
307 East Park Street, Suite 421
Anaconda, MT 59711
Phone (406) 563-9371

Raw bottle, Ran DI water through filter into bottle & then preserved w/ HNO_3

Meter Recheck

pH 4.01 - 3.97
7.00 - 7.03
10.01 - 10.01

SC 1413 us/cm standard → 1436 @ 19.1°C

eH Zoebells soln → 231.1 mv 18.2°

Shipped samples UPS Ground, 2 coolers w/ice 3/13/08

GROUND A.R.S. TRACKING NUMBER
1Z E91 029 06 1050 4861

REF #/ DATE

GROUND A.R.S. TRACKING NUMBER
1Z E91 029 06 1050 4852

REF #/ DATE

Drop-Off Package Receipt: 1 of 1

THIS IS NOT A SHIPPING LABEL. PLEASE SAVE FOR YOUR RECORDS.

CUSTOMER:
Not Provided
ID Type: Not Provided

DROP-OFF DATE/TIME:
Thu 13 Mar 2008 2:13 PM

ESTIMATED PICKUP DATE:
UPS (Grnd) Thu 13 Mar 2008 2 pkgs

THE UPS STORE #1204
2017 HARRISON AVE
BUTTE MT 59701-3544
(406) 494-1711

TOTAL PACKAGES: 2 pkgs

TRACKING NUMBER	CARRIER & SERVICE	Wt(lbs)
1ZE910290610504861	UPS Ground	34.000
1ZE910290610504852	UPS Ground	57.000

This receipt lists each package received by THE UPS STORE #1204 and indicates that the information for each package has been transmitted to each carrier's data system. This receipt is not confirmation that the carrier has picked up the packages. To verify when and if a package has been picked up, enter one of the following web addresses in your browser and enter the tracking numbers listed above.

http://theupsstore.com (select Tracking, then enter Tracking #)
http://mbe.com (select Tracking, then enter Tracking #)
http://iship.com/trackit/trk.asp

You acknowledge that the shipment services provided by THE UPS STORE #1204 for the listed packages are subject to and governed by each Carrier Agreement, if applicable, the Rates and Service Guide for each carrier, and the tariff in effect at the time of shipment.

Signature:

Powered by iShip(tm)
03/13/2008 01:17 PM Pacific Time

International Shipping Notice - Carriage hereunder may be subject to the rules relating to liability and other terms and/or conditions established by the Convention for the Unification of Certain Rules Relating to International Carriage by Air (the "Warsaw Convention") and/or the Convention on the Contract for the International Carriage of Goods by Road (the "CMR Convention"). These commodities, technology or software were exported from the U.S. in accordance with the Export Administration Regulations. Diversion contrary to U.S. law prohibited. For shipping places, call 1-800-782-7892. United Parcel Service, Louisville, KY

12/12/07 New Landfill CH4

CH4-1 Background:

CO2 % - 0.0
O2 % - NA
CH4 % - 0.0

Readings: 817 mb

CO2 % - 0.0
O2 % - NA
CH4 % - 0.0

CH4-2 Background

CO2 % - 0.0
O2 % - NA
CH4 % - 0.0

Readings: 772 mb

CO2 % - 0.0
O2 % - NA
CH4 % - 0.0

GROUND A.R.S. TRACKING NUMBER
1Z E91 029 06 1053 0681
REF #/ DATE

3/12/08 Old Landfill

10:30 Arrive on site
Julie Flammang → PTS
Brad Hollamon

Safety Meeting:

Icy conditions in a.m. &
Muddy conditions in p.m.
Traffic in and around parking
area & at CLK-2 along road.
Windy conditions when adding
preservatives.

Meter Calibration:

pH 4.01 - 3.98 SLP - 96.7
7.00 - 7.03
10.01 - 10.03

SC 1413 std → 1439 µS/cm @ 17.5°C

Eh Zobell's Sol'n → 241.4 mv @ 17.5°C

DO Calibrated at 5300' & 0.0% salinity

3/12/08

10:35 MW-A5 Arrive at
DTW - 43.80' IPVC, TD - 46.50'
2"-dia., Column - 2.70'
3 Well Vol. - 1.35 gallons

10:40 Begin purging w/
dedicated teflon bailer
Bailed 1.5 gallons.
Leave to recover.

10:55 Arrive at MW-A1
DTW - 37.99' IPVC, TD - 57.00'
2"-dia., Column - 19.01'
3 Well Vol. - 9.50 gallons

11:00 Begin bailing w/
dedicated teflon bailer
Bailed 10 total gallons

11:05 Arrive at MW-A6R
DTW - 50.20' IPVC, TD - 59.75'
2"-dia., Column - 9.55'
3 Well Vol. - 4.78 gallons

11:10 Begin bailing w/
dedicated teflon bailer.
Bailed 5 gallons total.

11:45 Collect BSB-GW-02 (A1)

1L, Poly - Raw, pH, SC, Cl^-, SO_4^{-3}, NO_2/NO_3
1L, Poly, NaOH, CN^-
1L, Poly, H_2SO_4, COD
1L, Poly, Ac/NaOH, Sulfide
1L, Amber Glass, Raw, 8151
1L, Amber Glass, Raw, 8081A, 608
2L, Amber Glass, Raw, 8270, SVOCs
2-40 ml vials, ~~HNO~~ HCL, 8260
2-40 ml vials, Raw, 8260

pH	Temp	SC	EH	DO
6.76	8.7	443	-152.0	1.75

1230 Collect BSB-GW-04 (A6R)

1L, Poly, Raw, pH, SC, Cl^-, SO_4^{-3}, NO_2/NO_3
1L, Poly, NaOH, ^-CN
1L, Poly, H_2SO_4, COD
1L, Poly, Ac/NaOH, Sulfide

Collect BSB-GW-04 cont.
1-1L, Amber Glass, Raw, 8151
1-1L, Amber Glass, Raw, 8081A, 608
2-1L, Ambe Glass, Raw 8270
2-40ml glass vials, HCL 8260
2-40 ml glass vials, Raw, 8260

pH	Temp	SC	Eh	DO
6.06	8.5	2527	-1.5	2.75

1300 Collect BSB-GW-07 (A6R)
2-40 ml glass vials, HCL,
2-40 ml glass vials, Raw

DUPLICATE of BSB-GW-04

13:30 BSB-GW-03 (A5)

1L-Raw, Poly, pH, SC, Cl^-, SO_4^{-2}, NO_2/NO_3
1L-NaOH, Poly, CN^-
1L-H_2SO_4, Poly, COD
1L-ZnAc/NaOH, Poly, Sulfide
1L-Amber-glass, Raw, 8151
1L-Ambe-glass, Raw, 8081A, 608
2-40ml VOA vials, Raw, 8260
2-1L Amber-glass, Raw, 8270
2-40ml VOA vials, HCl, 8260

pH	Temp	SC	Eh	DO
6.08	8.8	1066	-163.9	2.21

14:20 Arrive at MBMG-2
DTW-14.11' IPVC, TD-23.25'
2"-dia. Column-9.14'
3 well vol. - 4.57 gallons

14:25 Begin purging w/ dedicated teflon bailer.
Bailed 5 gallons total.

1445 Collect BSB-GW-01

1L-Poly, Raw-pH, S, Cl^-, SO_4^{-2}, NO_2/NO_3
1L-Poly, NaOH, CN^-
1L-Poly, H_2SO_4-COD
1L-Poly-ZnAc/NaOH, Poly, Sulfide
1L-Amber Glass, Raw, 8151
1L-Amber Glass, Raw, 8081A, 608
2-1L-Amber Glass, Raw, 8270
1L Poly, DM, Filt/HNO3 - Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Hg, Ni, Se, Ag, Tl, V, Zn

BSB-GW-01 Cont
2-40 ml glass vials, HCL, 8260
2-40 ml glass vials, Raw, 8260

pH	temp	SC	eH	DO
7.10	6.7	663	-145.4	4.87

15:10 Arrive at CLK-2
DTW - 40.95 IPVC, TD - 46.90'
2"-dia. Column - 5.95
3 well vol. - 3.00

15:27 Begin purging w/ 2 stage 12volt pump & truck battery. Pump set at 45', purged at 0.25 gpm restricted flow/clamped. Purged 3.25 gal.

15:40 Collect BSB-GW-06

1L-Poly, Raw, pH, SC, Cl^-, SO_4^{-2}
1L-Filt/HNO_3, Dm - see MBMG-2

16:10 BSB-GW-08
Duplicate of CLK-2

Temp	pH	SC	eH	DO
10.0	6.38	1699	-187.7	1.80

1600 Arrive at CLK-1
DTW - 4.97 IPVC TD - 19.00
2" Diameter, Column - 14.03
3 well vols - 7.08

1605 Begin purging using dedicated teflon bailer
Bailed 7.5 total gallons

1615 Collect BSB-GW-05
1 L-Poly, Raw, pH, SC, Cl^-, SO_4^{-2}
1 L-Poly, Filt/HNO_3, Dm - see MBMG-2

Temp	pH	SC	eH	DO
7.0	6.20	2171	-209.9	1.81

1700 Collect BSB-GW-09
1-1 L Poly Raw, pH, SC, Cl^-, SO_4^{-2}
1-1 L Poly, Filt/HNO_3 Dm - see MBMG-2

BLANK Sample
Poured DI water directly into

9/25/08 Old Landfill

11:20 Arrive at CLK-1
DTW - 4.99 IPVC, TD - 19.00'
Column - 14.01 , 2"-dia.
3 Well Vol. - 7 gallons.

Meter Calibration:
pH 4.01 - 4.02 SLP - 94.2
7.00 - 7.02
10.01 - 10.03 1414 uS/cm a 17.3

Eh Zoebells Soln - 356.8 mv

DO calibrated for 5300'

Begin purging CLK-1 at 11:40 w/ Disposable bailer.
Purged 7.75 gallons prior to sampling

12:00 BSB-GW-05

1-500ml, Raw - pH, SC, Cl^-, SO_4^{-2}
1-250ml, Filt/HNO_3 - Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mg, Ni, Se, Ag, Tl, V, Zn

temp	pH	SC	DO	eH
9.9	6.07	1513	1.19	189.4

12:15 Arrive at CLK-2
DTW - 40.77' IPVC , TD - 46.90'
Column - 6.13 , 2"-dia.
3 Well Vol. - 3 gallons

12:22 Begin purging w/ 12 volt pump & truck battery.
Pump set at 45', purging at 0.25 gpm
Purged 3.25 total gallons

1236 BSB-GW-06

1-500ml - Raw, pH, SC, Cl^-, SO_4^{-2}
1-250ml - Filt/HNO_3, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mg, Ni, Se, Ag, Tl, V, Zn

temp	pH	SC	DO	eH
10.7	6.32	1163	1.31	+68.8

9/25/08

12:50 Arrive at MW-A5
DTW - 42.72' , TD - 46.50'
Column - 3.78' 2"-dia.
3 well vol. - 2 gallons

12:55 Begin purging w/ dedicated teflon bailer.
Bailed dry at 2.25 gallons
Leave until 9/26 to recover.

13:15 off site for day.

9/26/08 Old Landfill

9:30 Arrive on site, MW-A1
DTW - 37.58' IPVC , TD - 57.00'
Column - 19.42' , 2"-dia.
3 well vol. - 9.75 gallons

9:40 Begin purging w/ dedicated teflon bailer
Purged 11 total gallons

1015 BSB-GW-02

1-500, Raw - pH, SC, Cl^-, SO_4^{-2}
1-500ml, NaOH - CN^-
1-250ml, H_2SO_4, NO_2/NO_3, COD
2-1L Amber Glass - 8270
1-1L Amber Glass - 8151
2-40ml VOA - 8260b

Meter check:
pH 4.01 - 4.03 , 7.00 - 7.06
10.01 - 10.02
SC 1413 std → 1410 µS/cm @ 10.9°C
Eh Zoebells Soln → 317.1 mv
DO Calibrated for 5300'

9/26/08

9:45 Arrive at MW-46R
DTW - 52.06' IPVC, TD - 59.75'
Column - 7.69' 2" - dia
3 Well Vol. - 4 gallons

10:50 Begin purging w/
dedicated teflon bailer.
Bailed 4 gallons prior to sampling

11:00 BSB-GW-04

500ml, Raw - pH, SC, Cl^-, SO_4^{-2}
500ml, NaOH - CN^-
250ml, H_2SO_4 - NO_2/NO_3, COD
2-1L Glass Amber, Raw - 8270
1L Glass Amber, Raw - 8151
2-40ml VOA vials, HCl - 8260b

temp	pH	SC	DO	EL
13.2	6.29	1495	2.70	-215.4

Water is very silty.
light grey/brown silt.

Al Parameters:

temp	pH	SC	DO	eh
12.7	7.27	307	2.74	-102.3

11:25 Arrive back at MW-45
DTW - 42.80' IPVC

1130 BSB-GW-03

500ml, Raw, pH, SC, ~~DO~~ BH Cl^-, SO_4^{-2}
500ml, NaOH, CN^-
250ml, H_2SO_4, NO_2/NO_3, COD
2-1L Amber Glass, Raw - 8270
1L Amber Glass, Raw - 8151
2-40ml VOA vials, HCl - 8260b

temp	pH	SC	DO	EL
10.5	5.65	763	1.97	-151.7

Water clear throughout
bailing.

9/26/08

1155 ~~1200~~ Arrive at MBMG-2
DTW-14.67' IPVC, TD-23.25
Column- 8.58' 2"-dia.
3 well vol. - 4.25 gallons

1200 Begin purging w/ dedicated teflon bailer.
Purged 5 total gallons.

1215 <u>BSB-GW-01</u>

500ml, Raw-pH, SC, Cl⁻, SO4⁻²
500ml, NaOH-CN⁻
250ml, H2SO4, NO2/NO3, COD
250ml, Filt/HNO3, DM-See CLK-102
2-1L Amber Glass, Raw-8270
1-1L Amber Glass, Raw-8151
2-40ml VOA Vials, HCl-8260b

temp	pH	SC	DO	EL
11.5	7.14	477	3.74	-183.4

Water slightly turbid.

12/11/08 New Landfill

11:40 Arrive at Landfill

11:45 Arrive at BSB-W1
DTW-212.42' TOC, TD-268'
Column- 55.58 4"-dia
3 well vol. - 109 gal.

12:01 Begin purging w/ dedicated Grunfos pump. Controller set at 35 Hz, purging at 1.5 gpm.

12:22 purged dry at 25 gal. Measured in buckets.

12:30 Arrive at BSB-W3
DTW-230.76' TOC

12:38 restart purging BSB-W1
Controller set at 350 Hz,
Purged additional 8.75 gal.

#20

PIONEER
TECHNICAL SERVICES, INC.

x 3445, Butte, MT 59702
ww.pioneer-technical.com

County Silver Bow #20
Facility & # Closed Butte-Silver Bow
Closure
Finan Assur
GW Corr Meas
GW Monitoring
GW Reports
Inspections
Other: _____
Landfarm
Liner
Methane
O & M
Run-on

November 13, 2008

Ms. Mary Louise Hendrickson
MDEQ/permitting and Compliance Divisio
P.O Box 200901
Helena, MT 59620

Dear Mary Louise,

Enclosed are the analytical results and supporting documentation (including an update of statistics) for the latest groundwater sampling conducted at the old Butte-Silver Bow County Landfill; the samples were collected on September 25 and 26, 2008 as part of the assessment monitoring requirements.

Feel free to call me at 782-5177 with any questions or concerns you may have regarding the enclosed data.

Sincerely,

Brad Hollamon

Brad Hollamon
Senior Technician

Encl.

cc. Gary Keeler, BSB Landfill Manager
Shawn Bisch, Pioneer Technical Services Inc.
Shannon Dunlap, Atlantic Richfield Co.

RECEIVED
DEC 05 2008
Dept. of Enviro. Quality
Waste & Underground
Tank Management Bureau

Dear Mary Louise,

Enclosed are the analytical results and supporting documentation (including an update of statistics) for the latest groundwater sampling conducted at the old Butte-Silver Bow County Landfill. The samples were collected on September 25 and 26, 2008 as part of the assessment monitoring requirements.

Feel free to call me at 782-3172 with any questions or concerns you may have regarding the enclosed data.

Sincerely,

Scott Wallace

Scott Wallace
Senior Scientist

kmt

cc: Guy Kirkin, Butte Landfill Manager
Steve Bush, Phoenix Technical Services Inc.
Shannon Dunlap, Atlantic Richfield Co.

OLD SILVER BOW LANDFILL
SEPTEMBER 2008 GROUNDWATER MONITORING

The September 2008 round of sampling at the Old Silver Bow Landfill included sampling for the full Table 2 list of analytics in accordance with the Assessment Monitoring program. Table 1, attached, summarizes the analytical results. The discussion below compares these data to previous results and to current Maximum Contaminant Levels (MCLs) and Montana Human Health Standards (HHSs).

Well MBMG-2 (up gradient):

No semi-volatiles, chlorinated acids, or pesticides were detected in the well during this sampling event. One volatile organic compound was detected in this well during this sampling event, Chloroform (ELI 0.42 J µg/L). Metals detected below the mean are; Ba (0.100 mg/L). There were no metals detected above the mean. Nitrate/nitrite (4.215 mg/L), Chloride (56 mg/l), and Sulfate (149 mg/L) were detected at concentrations below the mean.
No MCL or HHS exceedences were observed in this well during this sampling event.

Well BSB-A1 (North):

No semi-volatile, chlorinated acids, or pesticides were detected in the well during this sampling event. One volatile compound was detected; cis-1,2-Dichloroethene (ELI 0.22 Jµg/L) mean value of 0.22 µg/L. In accordance with the modified assessment-monitoring program, a sample for metals analyses was not collected from this well.
There were no inorganic compounds detected at levels above the mean during this sampling event in this well. Chloride (16.0 mg/L), sulfate (74 mg/L), and nitrate/nitrite (0.40 mg/L) were detected at levels below the mean.
No MCL or HHS exceedences were observed in this well during this sampling event.

Well BSB-A5 (Northeast Well):

In accordance with the modified assessment-monitoring program, a sample for metals analyses was not collected from this well. No semi-volatiles, chlorinated acids, or pesticides were detected in the well during this sampling event. Three volatile organic compounds were detected in this well during this sampling event, Tetrachloroethene (ELI 0.71 J µg/L), Trichloroethene (ELI 0.18 Jµg/L), and cis-1,2-Dichloroethene (ELI 1.0 µg/L).
Sulfate (544 mg/L), and COD (12 mg/L) were detected at levels below the mean.
Chloride (27 mg/L), and nitrate/nitrite (2.92 mg/L) were detected at levels above the mean. Sulfate exceeds the secondary USEPA MCL of 250 mg/L.

Well BSB-A6-R (Central Well):

Well BSB-A6-R is the replacement well for BSB-A6, removed during the construction of Timber Butte Youth Park. Thirteen volatile organic compounds (VOC's) were detected in this well; eight of the thirteen were detected at levels below the quantification limit. The thirteen volatile organic compounds were as follows:

- Benzene (0.58 J ug/L);
- Chloroethane (0.45 J ug/L);
- 1,4 – Dichlorobenzene (2.6 ug/L);
- Dichlorodifluoromethane (1.1 ug/L);
- 1,1-DCE (1.3 ug/L);
- Cis-1,2-DCE (8.5 ug/L);
- Trans-1,2-DCE (0.22 J ug/L);
- 1,2-Dichloropropane (0.44 J ug/L);

OLD SILVER BOW LANDFILL
SEPTEMBER 2008 GROUNDWATER MONITORING

The September 2008 round of sampling at the Old Silver Bow Landfill included sampling the full Table 1 Header analysis in accordance with the Assessment Monitoring program. Table 1 annotated summarizes the analytical results. The discussion below compares these data to previous results and to current Maximum Contaminant Levels (MCLs) and Montana Human Health Standards (HHSs).

Well MW-1 (up-gradient)

No semi-volatile, chlorinated acids, or pesticides were detected in the well during this sampling event. One volatile organic compound was detected in this well during this sampling event, Chloroform (EL1 0.0-22 µg/L). Values detected below the mean are: Iso (0.100 mg/L). There were no metals detected above the mean. Values above (4.215 mg/L), Chloride (35 mg/L), and Sulfate (149 mg/L) were detected at concentrations below the mean.
No MCL or HHS exceedances were observed in this well during this sampling event.

Well MW-2 (Downgradient)

No semi-volatile, chlorinated acids, or pesticides were detected in the well during this sampling event. One volatile compound was detected, cis-1,2-Dichloroethene (EL1 0.022 µg/L) mean value of 0.22 µg/L. In accordance with the modified assessment-monitoring program, a sample for metals analysis was not collected from this well.
There were no inorganic compounds detected at levels above the mean during this sampling event in this well. Chloride (34.0 mg/L), sulfate (74 mg/L), and nitrate/nitrite (0.66 mg/L) were detected at levels below the mean.
No MCL or HHS exceedances were observed in this well during this sampling event.

Well BSB-A5 (Downgradient Well):

In accordance with the modified assessment-monitoring program, a sample for metals analysis was not collected from this well. No semi-volatiles, chlorinated acids, or pesticides were detected in the well during this sampling event. There volatile organic compounds were detected in this well during this sampling event, Trichloroethene (EL1 0.71 µg/L), Trichloroethene (EL1 0.19 µg/L), and cis-1,2-Dichloroethene (EL1 1.0 µg/L).
Sulfate (546 mg/L), and COD (12 mg/L) were detected at levels below the mean.
Chloride (27 mg/L), and nitrate/nitrite (2.92 mg/L) were detected at levels above the mean. Sulfate exceeds the secondary USEPA MCL of 250 mg/L.

Well BSB-A5-R (replacement Well):

Well BSB-A5-R is the replacement well for BSB-A5, removed during the construction of Timber Butte Youth Park. Thirteen volatile organic compounds (VOC's) were detected in this well, eight of the thirteen were detected at levels below the quantitation limit. The thirteen volatile organic compounds were as follows:

- Benzene (0.58 µg/L);
- Chloroethane (0.45 µg/L);
- 1,4 – Dichlorobenzene (2.6 µg/L);
- Dichloromethane (1.1 µg/L);
- 1,1-Dcl (1.3 µg/L);
- Cis 1,2-DCE (5.5 µg/L);
- Trans-1,2-DCE (0.22 µg/L);
- 1,2-Dichloropropane (0.44 µg/L);

- Iodomethane (0.22 J ug/L);
- Methylene Chloride (0.20 J ug/L);
- Tetrachloroethene (0.28 J ug/L);
- Trichloroethene (0.54 J ug/L);
- Vinyl Chloride (6.1 ug/L).

No other semi-volatiles, chlorinated acids, or pesticides were detected. In accordance with the modified assessment-monitoring program, a sample for metals analyses was not collected from this well.

Chloride (57 mg/L, mean 53 mg/L), COD (199mg/L, mean 295 mg/L) and Sulfate (1180 mg/L, mean 1984 mg/L) were detected below their mean values. Sulfate exceeds the secondary USEPA MCL of 250 mg/L.

Well CLK-1 (Clark Tailings North Well):

In accordance with the modified assessment-monitoring program, no samples for organic analyses were collected from this well. The measured concentrations of the majority of metals were relatively low; the detected concentrations of arsenic (0.108 mg/L), cadmium (0.0190 mg/L), Zn (80.00 mg/L) and iron (19.3 mg/L), exceed US EPA MCL or Montana HHS standards.
Sulfate was detected at a concentration of 1370 mg/L, which exceeds the secondary MCL of 250 mg/L for this compound. Chloride was also detected (28 mg/L), with a mean value of 34 mg/L.

Well CLK-2 (Clark Tailings East Well):

In accordance with the modified assessment-monitoring program, no samples for organic analyses were collected from this well. The measured concentrations of the majority of metals were relatively low; the detected concentrations of zinc (0.51 mg/L) and Copper (0.01mg/L) were low respective to MCLs, secondary MCLs, or Montana HHS concentrations for these metals.
Sulfate was detected at a concentration of 820 mg/L, which exceeds the secondary MCL for this compound. Chloride (56 mg/L) was detected below the mean of (57 mg/L).

Conclusion:

The September 2008 sampling event at the Old Butte-Silver Bow Landfill included sampling according to the modified assessment-monitoring program (see Table 2 for analytical data). The results for metals, inorganics, and organic contaminants obtained from this sampling event were comparable to previous results.
No field QA/QC was collected during this sampling event. All laboratory QA/QC was acceptable. A trip blank was analyzed for the organic analysis at the lab.

- Iodomethane (0.22 J ug/L),
- Methylene Chloride (0.50 J ug/L),
- Tetrachloroethene (0.38 J ug/L),
- Trichloroethene (0.54 J ug/L),
- Vinyl Chloride (4.1 ug/L).

No other semi-volatiles, chlorinated acids, or pesticides were detected. In accordance with the modified assessment-monitoring program, a sample for metals analyses was not collected from this well.

Chloride (57 mg/L, mean 53 mg/L), COD (199mg/L, mean 295 mg/L) and Sulfate (1180 mg/L, mean 1984 mg/L) were detected below their mean values. Sulfate exceeds the secondary USEPA MCL of 250 mg/L.

<u>Well CLK-1 (Clark Tailings North Well):</u>

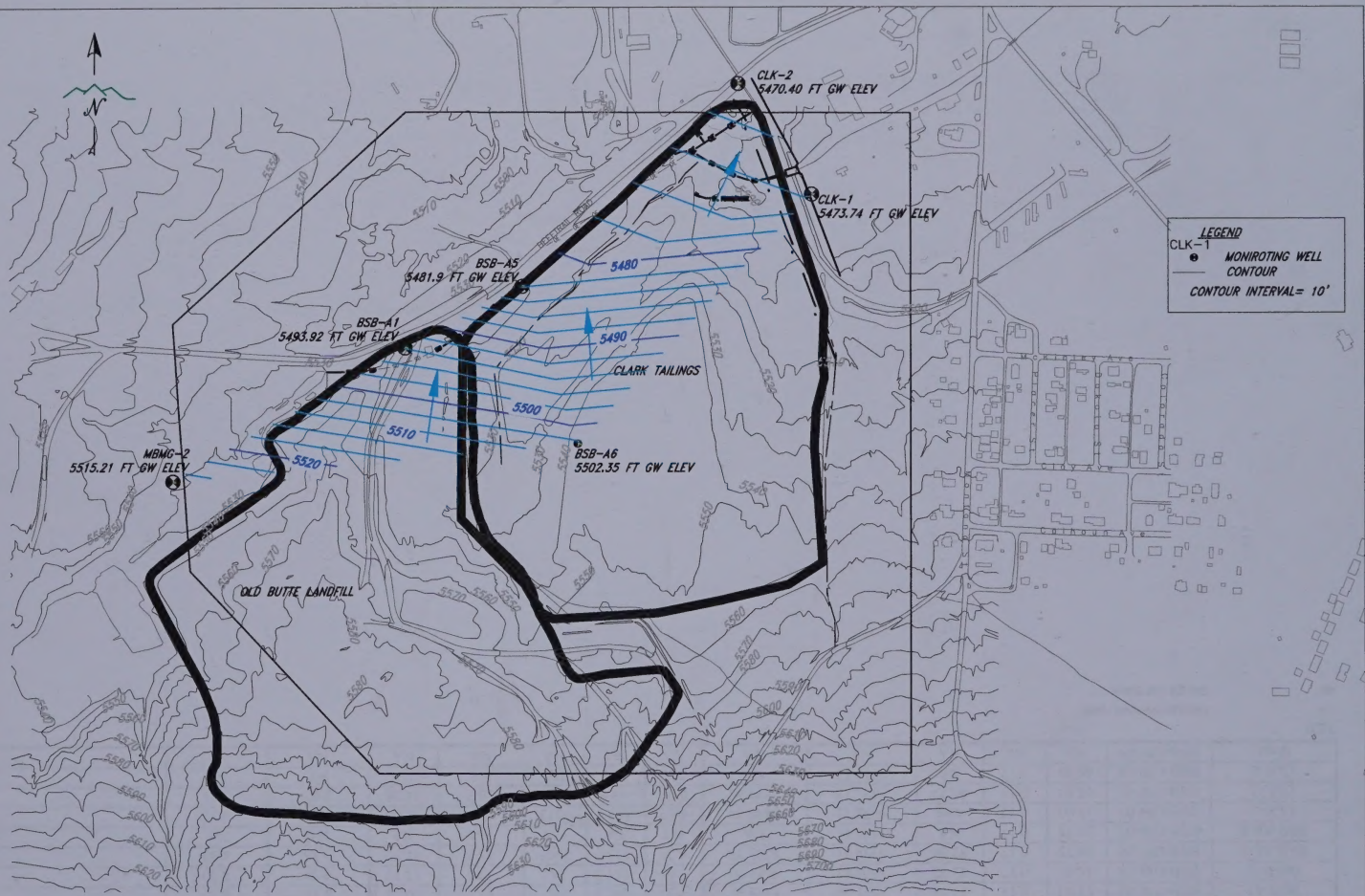
In accordance with the modified assessment-monitoring program, no samples for organic analyses were collected from this well. The measured concentrations of the majority of metals were relatively low; the detected concentrations of arsenic (0.108 mg/L), cadmium (0.0190 mg/L), Zn (80.00 mg/L) and iron (19.3 mg/L), exceed USEPA MCL or Montana HHS standards.
Sulfate was detected at a concentration of 1370 mg/L, which exceeds the secondary MCL of 250 mg/L for this compound. Chloride was also detected (28 mg/L), with a mean value of 34 mg/L.

<u>Well CLK-2 (Clark Tailings East Well):</u>

In accordance with the modified assessment-monitoring program, no samples for organic analyses were collected from this well. The measured concentrations of the majority of metals were relatively low; the detected concentrations of zinc (0.51 mg/L) and Copper (0.01mg/L) were low respective to MCLs, secondary MCLs, or Montana HHS concentrations for these metals.
Sulfate was detected at a concentration of 820 mg/L, which exceeds the secondary MCL for this compound. Chloride (54 mg/L) was detected below the mean of (57 mg/L).

<u>Conclusion:</u>

The September 2008 sampling event at the Old Butte-Silver Bow Landfill included sampling according to the modified assessment-monitoring program (see Table 2 for analytical data). The results for metals, inorganics, and organic contaminants, obtained from this sampling event were comparable to previous results.
No field QA/QC was collected during this sampling event. All laboratory QA/QC was acceptable. A trip blank was analyzed for the organic analysis at the lab.



PIONEER TECHNICAL SERVICES, INC.

FIGURE 2
OLD BSB MUNICIPAL LANDFILL
SITE/CLARK TAILINGS FACILITY
SEPTEMBER 2008
SCALE: 1"=600'
DATE: 12/2/08

S:\A\D\DATA\OLD_BUTTE_LANDFILL\SAMPLING-2008\SEPTEMBER 2008 GW.DWG

Old Butte-Silver Bow County Landfill
GROUNDWATER FIELD CHEMISTRY RESULTS AND PURGE VOLUMES
September-08

Well I.D.	Sample #	Depth (ft)	Radius (ft)	S.W.L. (ft)	TOC Elevation (ft)	Groundwater Elevation (ft)	pH. (su)	E.h. (mV)	S.C. (uS/cm)	T (Celsius)	Sample Time	H2O Volume Req'd (gal)	H2O Volume Purged (gal)	Comments
MBMG-2	BSB-GW-01	23.25	0.17	14.67	5529.88	5515.21	7.14	-183.4	477	11.5	12:15	4.29	4.25	
BSB-A1	BSB-GW-02	57.00	0.17	37.58	5531.50	5493.92	7.27	-102.3	307	12.7	10:15	9.71	9.75	
BSB-A5	BSB-GW-03	46.50	0.17	42.72	5524.62	5481.90	5.65	-151.7	763	10.5	11:30	1.89	2.00	
BSB-A6-R	BSB-GW-04	59.75	0.17	52.06	5554.41	5502.35	6.29	-215.4	1495	13.2	11:00	3.85	4.00	
BSB-A6-R	BSB-GW-07	59.75	0.17	NA	5554.41	NA	NA	NA	NA	NA	NA	NA	NA	
CLK-1	BSB-GW-05	19.00	0.17	4.99	5478.73	5473.74	6.07	189.4	1513	9.9	12:00	7.01	7.75	
CLK-2	BSB-GW-06	46.90	0.17	40.77	5511.17	5470.40	6.32	-68.8	1163	10.7	12:36	3.07	3.25	
CLK-2	BSB-GW-08	46.90	0.17	NA	5511.17	NA	NA	NA	NA	NA	NA	NA	NA	
Blank	BSB-GW-09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

KEY:

NA Measurement Not Taken

SA Sample Not Taken

TABLE I: ANALYTICAL DATA FOR GROUNDWATER SAMPLES, OLD SILVER BOW COUNTY LANDFILL
DATE SAMPLED: September, 25 2008

SAMPLE NUMBER / WELL / ANALYTE (units):	BSB-GW-01 MBMG-2	BSB-GW-02 BSB-A1	BSB-GW-03 BSB-A5	BSB-GW-04 BSB-A6-R	BSB-GW-05 CLK-1	BSB-GW-06 CLK-2	BSB-GW-07 BSB-A6R DUPE	BSB-GW-08 CLK-2 DUPE	BSB-GW-09 Field Blank Trip Blank	GW PROTECTION STANDARDS USEPA MCL*	GW PROTECTION STANDARDS MONTANA HHS	GW PROTECTION STANDARDS USEPA MCL*	GW PROTECTION STANDARDS MONTANA HHS
DISSOLVED METALS (mg/L)													
Antimony	< 0.005	NR	NR	NR	< 0.005	< 0.005	NR	NR	NR	0.006	0.014	0.006	0.014
Arsenic	< 0.005	NR	NR	NR	0.108	< 0.005	NR	NR	NR	0.05	0.018	0.05	0.018
Barium	0.100	NR	NR	NR	< 0.100	< 0.100	NR	NR	NR	2	1	2	1
Beryllium	< 0.001	NR	NR	NR	< 0.001	< 0.001	NR	NR	NR	0.004	0.040	0.004	0.040
Cadmium	< 0.001	NR	NR	NR	0.019	< 0.001	NR	NR	NR	0.005	0.005	0.0050	0.0050
Chromium	< 0.01	NR	NR	NR	< 0.01	< 0.01	NR	NR	NR	0.1	0.1	0.1	0.1
Cobalt	not reported	NR	NR	NR	not reported	not reported	NR	not reported	not reported	---	---	---	---
Copper	< 0.01	NR	NR	NR	< 0.01	0.01	NR	NR	NR	1.3 (a)	1	1.3 (a)	1
Iron	< 0.03	NR	NR	NR	19.3	< 0.03	NR	NR	NR	0.3 (s)	0.3	0.3	0.3
Lead	< 0.01	NR	NR	NR	< 0.01	< 0.01	NR	NR	NR	0.015 (a)	0.015	0.015 (a)	0.015
Mercury	< 0.001	NR	NR	NR	< 0.001	< 0.001	NR	NR	NR	0.002	0.00014	0.002	0.00014
Nickel	< 0.01	NR	NR	NR	0.05	0.02	NR	NR	NR	0.1	0.1	0.1	0.1
Selenium	< 0.005	NR	NR	NR	< 0.005	< 0.005	NR	NR	NR	0.05	0.05	0.05	0.05
Silver	< 0.005	NR	NR	NR	< 0.005	< 0.005	NR	NR	NR	0.1 (s)	---	0.1	---
Thallium	< 0.005	NR	NR	NR	< 0.005	< 0.005	NR	NR	NR	0.002	0.0017	0.002	0.0017
Tin	not reported	NR	NR	NR	not reported	not reported	NR	NR	NR				
Vanadium	< 0.1	NR	NR	NR	< 0.1	< 0.1	NR	NR	NR	---	---	---	---
Zinc	< 0.01	NR	NR	NR	80	0.51	NR	NR	NR	5 (s)	5	5	5
INORGANICS (mg/L)													
Chloride	58	16	27	57	28	56	NR	NR	NR	250 (s)	---	250	---
COD	8.0	< 1.0	12.0	199	NR	NR	NR	NR	NR	---	---	---	---
Conductivity (umhos/cm)	786	472	1180	2340	2400	1860	NR	NR	NR	---	---	---	---
Cyanide	< 0.005	< 0.005	< 0.005	0.021	NR	NR	NR	NR	NR -	---	---	---	---
Nitrate\Nitrite - N	4.21	0.40	2.92	< 0.05	NR	NR	NR	NR	NR	10	---	10	---
pH	7.0	6.9	5.6	6.0	6.1	6.3	NR	NR	NR				
Sulfate	149	74	544	1180	1370	820	NR	NR	NR	250 (s)	---	250	---
Sulfide	NR	NR	NR	NR	NR	NR	NR	NR	NR				
EPA METHOD 8260 (ug/L)													
Acetone	< 20.0	< 20.0	< 20.0	< 20.0	NR	NR	NR		NR				
Benzene	< 1.0	< 1.0	< 1.0	(ELI 0.58 J)< 1.0	NR	NR	NR		NR				
Carbon Disulfide	< 1.0	< 1.0	< 1.0	< 1.0	NR	NR	NR		NR	---	---	---	---
Chloroethane	< 1.0	< 1.0	< 1.0	(ELI 0.45 J)< 1.0	NR	NR	NR		NR				
Chloroform	(ELI 0.42J)< 1.0	< 1.0	< 1.0	< 1.0	NR	NR	NR		NR	---	57	---	57
Chlormethane	< 1.0	< 1.0	< 1.0	< 1.0	NR	NR	NR		NR				
1,4-Dichlorobenzene	< 1.0	< 1.0	< 1.0	2.6	NR	NR	NR		NR				
Dichlorodiflouromethane	< 1.0	< 1.0	< 1.0	1.1	NR	NR	NR		NR				
1,1-Dichloroethane	< 1.0	< 1.0	< 1.0	1.3	NR	NR	NR		NR				
1,2-Dichloroethane	< 1.0	< 1.0	< 1.0	< 1.0	NR	NR	NR		NR				
cis-1,2-Dichloroethene	< 1.0	(ELI 0.22J)< 1.0	1.0	8.5	NR	NR	NR		NR	70	70	70	70
trans-1,2-Dichloroethene	< 1.0	< 1.0	< 1.0	(ELI 0.22 J)< 1.0	NR	NR	NR		NR				
1,2-Dichloropropane	< 1.0	< 1.0	< 1.0	(ELI 0.44 J)< 1.0	NR	NR	NR		NR				
4-Isopropyltoluene	< NR	NR	NR	NR	NR	NR	NR		NR				
Iodomethane	< 1.0	< 1.0	< 1.0	(ELI 0.22 J)< 1.0	NR	NR	NR		NR				
Methylene Chloride	< 1.0	< 1.0	< 1.0	(ELI 0.20 J)< 1.0	NR	NR	NR		NR				
Naphthalene	< 1.0	< 1.0	< 1.0	< 1.0	NR	NR	NR		NR				
Tetrachloroethene	< 1.0	< 1.0	(ELI 0.71 J)< 1.0	(ELI 0.28J)< 1.0	NR	NR	NR		NR	5	8	5	8
Trichloroethene	< 1.0	< 1.0	(ELI 0.18 J)< 1.0	(ELI 0.54 J)< 1.0	NR	NR	NR		NR				
1,2,4-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR		NR				
Vinyl Chloride	< 1.0	< 1.0	< 1.0	6.1	NR	NR	NR		NR				
EPA METHOD 8270 (ug/L)													
bis(2-ethylhexyl)Phthalate	< 10	< 10	< 10	< 10	NR	NR	NR		NR				
EPA METHOD 8151 (ug/L)	ND	ND	ND	ND	NR	NR	NR		NR				
EPA METHOD 8081 (ug/L)	NR	NR	NR	NR	NR	NR	NR		NR				

* MCL definitions: a = action level, not an MCL; s = secondary MCL (aesthetics)
NA = Not enough sample available for analysis
NR = Analysis Not Requested
ND = Analyte Not Detected
J = Estimated Quantity. Anlyte present, but less than the practical quantitation limit (PQL).
NS= Sample Not Collected (Frozen Well-CLK-1)
SA = Sample Not Taken

Bolded values are above the MCL, italicized bold values are above the State HHS.

TABLE 5-3 (updated 11/10/2008)

SILVER BOW COUNTY -OLD LANDFILL GROUNDWATER DATA SUMMARY - ORGANIC CONSTITUENTS (ug/L)

Analyte	STANDARDS MCL	STANDARDS HHS	MBMG-2 Mean	MBMG-2 Median	BSB-A1 Mean	BSB-A1 Median	BSB-A5 Mean	BSB-A5 Median	BSB-A6-R Mean	BSB-A6-R Median	Mean Exceeds Std. or Bkd	Median Exceeds Std. or Bkd.	BLANK Mean	BLANK Median	LAB MDL
			n= 30		n= 32		n= 24		n= 16				n= 20		
Acetone	- -	- -	3.34	1.65	3.97	1.65	1.79	1.65	4.10	2.18	A1,A6R (bkd)	A6R (bkd)	4.51	1.65	3.3
Benzene	5	5	0.03	0.03	0.03	0.03	0.03	0.03	0.40	0.41	A6R (bkd)	A6R (bkd)	0.03	0.03	0.05
Carbon Disulfide	- -	- -	0.95	0.05	0.18	0.05	0.10	0.05	0.05	0.05	None	None	0.14	0.05	0.09
Chloroethane	- -	- -	0.05	0.05	0.05	0.05	0.05	0.05	0.20	0.05	A6R (bkd)	None	0.05	0.05	0.1
Chloroform	- -	60	0.48	0.45	0.05	0.05	0.05	0.05	0.06	0.05	None	None	0.10	0.05	0.09
Chloromethane	- -	- -	0.04	0.04	0.06	0.04	0.04	0.04	0.04	0.04	A1 (bkd)	None	0.13	0.04	0.08
1,2-Dichlorobenzene-8260	600	600	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	None	None	0.09	0.09	0.17
1,4-Dichlorobenzene-8260	75	75	0.06	0.06	0.06	0.06	0.06	0.06	0.59	0.06	A6R (bkd)	None	0.06	0.06	0.12
Dichlorodifluoromethane	- -	1400	0.04	0.04	0.05	0.04	0.08	0.04	3.34	3.50	A5,A6R (bkd)	A6R (bkd)	0.04	0.04	0.08
Dichlorofluoromethane	- -	- -	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	None	None	0.10	0.10	0.2
1,1-Dichloroethane	- -	- -	0.05	0.05	0.05	0.05	0.06	0.05	2.27	2.45	A6R (bkd)	A6R (bkd)	0.05	0.05	0.09
1,2-Dichloroethane	5	4	0.07	0.06	0.10	0.06	0.07	0.06	0.09	0.06	A1,A6R (bkd)	None	0.30	0.06	0.11
1,1-Dichloroethene	7	7	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	None	None	0.02	0.02	0.04
cis-1,2-Dichloroethene	70	70	0.05	0.05	0.22	0.05	0.91	0.93	6.32	5.80	A1,A5,A6R(bkd)	A5,A6R (bkd)	0.05	0.05	0.09
trans-1,2-Dichloroethene	100	100	0.02	0.02	0.02	0.02	0.02	0.02	0.05	0.02	A6R (bkd)	None	0.02	0.02	0.04
1,2-Dichloropropane	5	5	0.08	0.08	0.08	0.08	0.08	0.08	0.61	0.60	A6R (bkd)	A6R (bkd)	0.08	0.08	0.16
Ethylbenzene	700	700	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	None	None	0.04	0.04	0.08
Methyl Ethyl Ketone	- -	- -	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	None	None	2.48	2.48	4.95
Methyl Isobutyl Ketone	- -	- -	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	None	None	0.95	0.95	1.89
Methylene Chloride	5	5	0.03	0.03	0.03	0.03	0.03	0.03	0.44	0.47	A6R (bkd)	A6R (bkd)	2.86	0.03	0.06
Naphthalene	- -	28	0.13	0.13	0.13	0.13	0.13	0.13	0.41	0.13	A6R (bkd)	None	0.13	0.13	0.26
Tetrachloroethene	5	5	0.04	0.04	0.50	0.43	1.40	0.70	0.53	0.50	A1,A5,A6R(bkd)	A1,A5,A6R(bkd)	0.04	0.04	0.08
1,1,1-Trichloroethane	200	200	0.06	0.02	0.02	0.02	0.02	0.02	0.02	0.02	None	None	0.02	0.02	0.03
Toluene	1000	1000	0.05	0.05	0.07	0.05	0.05	0.05	0.06	0.05	None	None	0.08	0.05	0.1
Trichloroethene	5	5	0.06	0.06	0.18	0.06	0.28	0.14	0.59	0.61	A1,A5,A6R(bkd)	A5,A6R (bkd)	0.06	0.06	0.12
Trichlorofluoromethane	- -	10000	0.07	0.07	0.08	0.07	0.07	0.07	0.07	0.07	None	None	0.07	0.07	0.14
Vinyl Chloride	2	0.15	0.15	0.15	0.15	0.15	0.15	0.15	3.38	3.35	A6R (std)	A6R (std)	0.15	0.15	0.3
m+p Xylenes	10000	10000	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.07	None	None	0.07	0.07	0.14
o-Xylene	10000	10000	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	None	None	0.03	0.04	0.07
			n= 29		n= 31		n= 19		n= 16				n= 3		
1,2-Dichlorobenzene-8270	600	600	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	None	None	0.53	0.53	1.07
1,4-Dichlorobenzene-8270	75	75	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	None	None	0.64	0.64	1.27
Diethylphthalate	- -	5600	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	None	None	0.37	0.37	0.73
Di-n-butylphthalate	- -	2700	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	None	None	0.29	0.29	0.57
Di-n-octylphthalate	- -	- -	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	None	None	0.41	0.41	0.82
bis(2-ethylhexyl)phthalate	6	6	0.39	0.39	0.54	0.39	1.19	0.39	1.36	0.39	A1,A5,A6R(bkd)	None	0.39	0.39	0.77
Acenaphthene	- -	420	0.29	0.29	0.29	0.29	0.29	0.29	0.34	0.29	A6R (bkd)	None	0.29	0.29	0.58
1-Methylnaphthalene	- -	- -	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	None	None	0.40	0.40	0.80
2-Methylphenol	- -	- -	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	None	None	0.37	0.37	0.73
4-Methylphenol/3-Methylphenc	- -	- -	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	None	None	0.30	0.30	0.60
Phenol	- -	300	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	None	None	0.34	0.34	0.67
			n= 25		n= 27		n= 18		n= 15				n= 1		
Picloram	500	500	0.070	0.002	0.002	0.002	0.177	0.002	0.021	0.002	A5, (bkd)	None	0.002	0.002	0.003
2,4,5-T	50	70	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	None	None	0.002	0.002	0.003
2,4-D	70	70	0.011	0.011	0.011	0.011	0.017	0.011	0.011	0.011	A5, (bkd)	None	0.011	0.011	0.023
4-Nitrophenol	- -	56	0.017	0.005	0.005	0.005	0.005	0.005	0.005	0.005	None	None	0.005	0.005	0.009
Dacthal	- -	70	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	None	None	0.0004	0.0004	0.0009
Pentachlorophenol	1	1	0.004	0.004	0.009	0.004	0.004	0.004	0.004	0.004	A1 (bkd)	None	0.004	0.004	0.007

BDL values calculated as equal to one-half the method detection limit (MDL)

TABLE 5-2 (updated 11/04/2008)
SILVER BOW COUNTY -OLD LANDFILL GROUNDWATER DATA SUMMARY
INORGANIC CONSTITUENTS (ug/L)

	STANDARDS														Mean	Median			
	USEPA	MT GW	MBMG-2		BSB-A1		BSB-A5		BSB-A6R		CLK-1		CLK-2		Exceeds	Exceeds	BLANK		LAB
Analyte	MCL*	HHS	Mean	Median	Mean	Median	Mean	Median	Mean	Median	Mean	Median	Mean	Median	Std. or Bkd.	Std. or Bkd.	Mean	Median	MDL
			n=29		n=8		n=4		n=0		n=25		n=24				n=18		
Ag	- -	100	0.1	0.1	0.8	0.1	0.1	0.1	- -	- -	0.3	0.1	0.3	0.1	CLK1,CLK2(bkd)	None	0.8	0.1	0.21
As	50	20	2	2	2	2	3	2	- -	- -	78	89	2	2	CLK1 (std)	CLK1 (std)	1	1	0.11
Ba	2,000	2,000	139	137	88	79	26	27	- -	- -	32	31	28	27	None	None	1	0	1
Be	4	4	0.2	0.1	0.5	0.6	0.2	0.1	- -	- -	0.4	0.4	0.1	0.1	CLK1,A1(bkd)	CLK1(bkd)	0.1	0.1	0.07
Cd	5	5	0.1	0.1	0.2	0.2	0.0	0.0	- -	- -	10.1	9.7	0.4	0.2	CLK1(std),CLK2(bkd)	CLK1(std),CLK2(bkd)	0.03	0.03	0.05
Co	- -	- -	4	4	4	4	4	4	- -	- -	78	76	4	4	CLK1 (bkd)	CLK1 (bkd)	4	4	8.5
Cr	100	100	4	4	5	4	4	4	- -	- -	32	4	4	4	CLK1 (bkd)	None	4	4	10
Cu	1,300(a)	1,300	2	2	2	2	2	2	- -	- -	5	2	4	2	CLK1,CLK2 (bkd)	None	2	2	1.3
Fe	- -	300	130	9	25	22	36	36	- -	- -	21,179	20,900	204	9	CLK1(std)CLK2(bkd)	CLK1(std)	10	9	10
Hg	2	2	0.06	0.05	0.09	0.05	0.10	0.07	- -	- -	0.06	0.05	0.09	0.05	CLK2 (bkd)	None	0.07	0.05	0.11
Ni	- -	100	7	7	7	7	7	7	- -	- -	108	7	17	11	CLK1(std),CLK2(bkd)	CLK2 (bkd)	7	7	13.3
Pb	15(a)	15	0.7	0.5	0.8	0.5	0.8	0.5	- -	- -	1.2	0.5	0.8	0.5	CLK1 (bkd)	None	0.2	0.5	0.10
Sb	6	6	1	1	3	1	2	2	- -	- -	17	1	1	1	CLK1 (std)	None	2	1	0.1
Se	50	50	1.1	0.4	0.6	0.4	0.4	0.4	- -	- -	2.5	0.4	1.7	0.4	CLK1,CLK2(bkd)	None	0.6	0.4	0.53
Tl	2	2	1	1	4	5	3	1	- -	- -	0	0	1	0	None	None	0	1	0.04
V	- -	- -	8	8	3	3	3	3	- -	- -	5	3	3	3	None	None	2	3	2.1
Zn	- -	2,000	13	5	12	12	14	12	- -	- -	98,000	91,800	396	525	CLK1(std)CLK2(bkd)	CLK1(std)CLK2(bkd)	7	5	5.3
			n=29		n=32		n=20		n=16		n=22		n=23				n=4		
Chloride	250,000(s)	- -	57,024	57,000	16,997	17,000	25,605	25,000	53,350	54,500	34,245	34,000	57,343	61,600	CLK2 (bkd)	CLK2 (bkd)	0.1	0.1	5000
Sulfate	250,000(s)	- -	150,207	144,000	96,838	88,000	584,650	556,000	1,984,000	1,680,000	1,688,000	1,555,000	838,783	822,000	A5, A6R,C1,2 (std)	A5, A6R,C1,2 (std)	2.5	2.5	5000
Nitrate	10,000	10,000	7,049	6,610	578	535	2,646	2,690	44	25	- -	- -	- -	- -	None	None	- -	- -	50
COD	- -	- -	38,266	16,000	30,669	17,900	52,168	12,000	295,400	34,000	- -	- -	- -	- -	A5, A6R (bkd)	A1,A6R (bkd)	- -	- -	5000
SC	- -	- -	764	763	490	473	1,189	1,190	3,038	2,710	2,642	2,555	1,821	1,850	A5, A6R,C1,2(bkd)	A5, A6R,C1,2(bkd)	0	0	- -

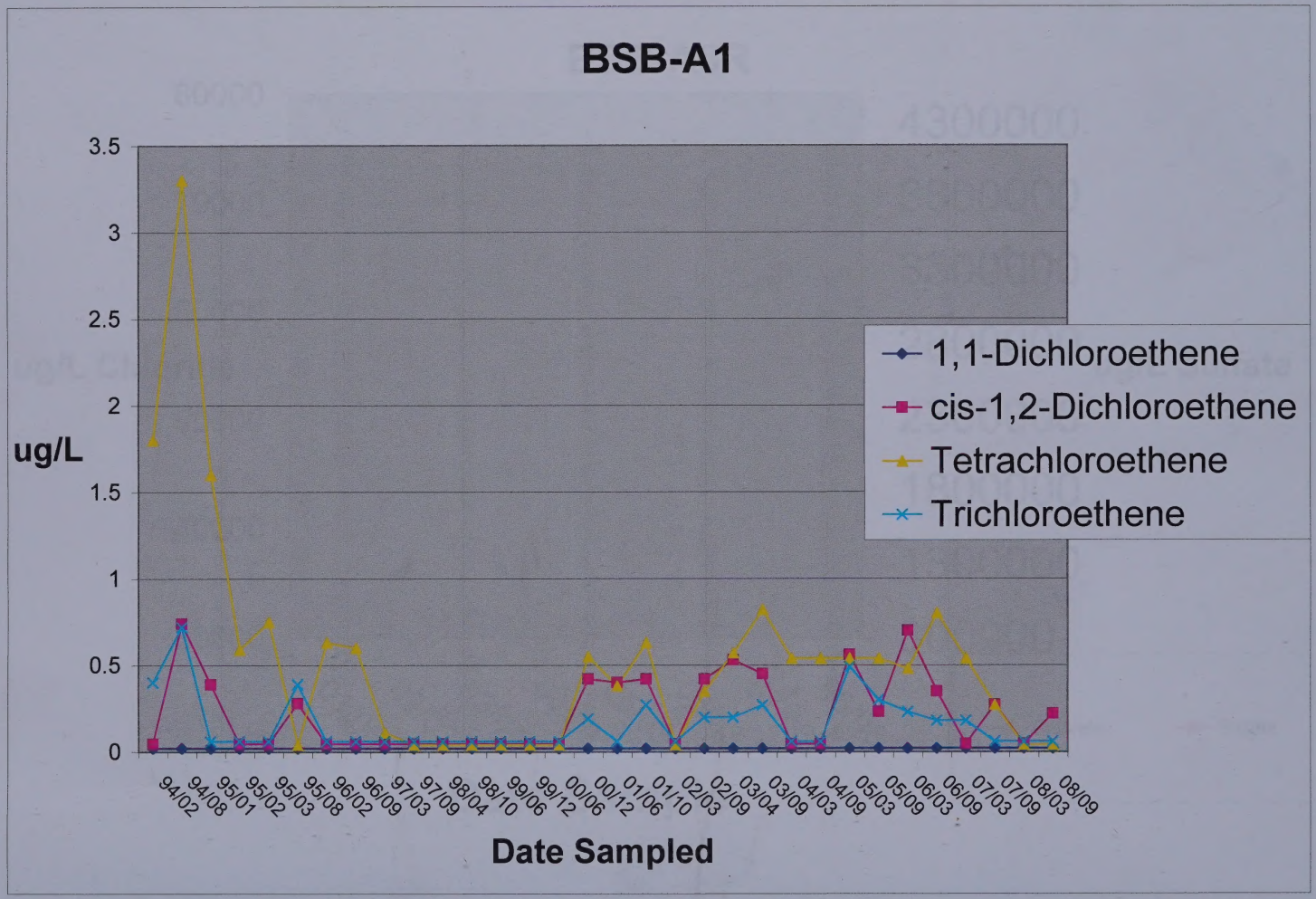
* MCL definitions: a = action level, not a MCL; s = secondary MCL (asthetics)
BDL values calculated as equal to one half the method detection limit (MDL)

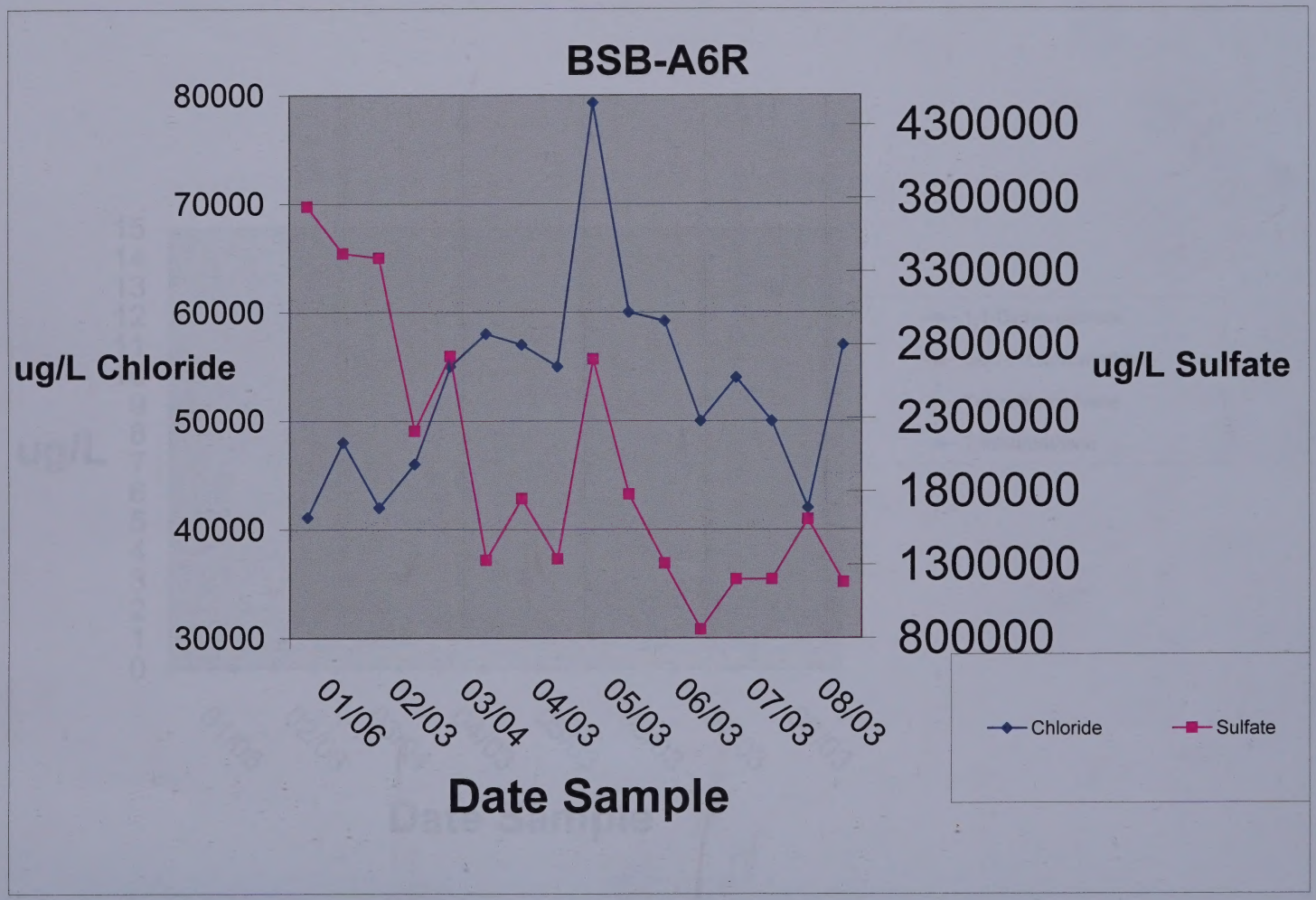
TABLE 8-2 (updated 11/04/2008)

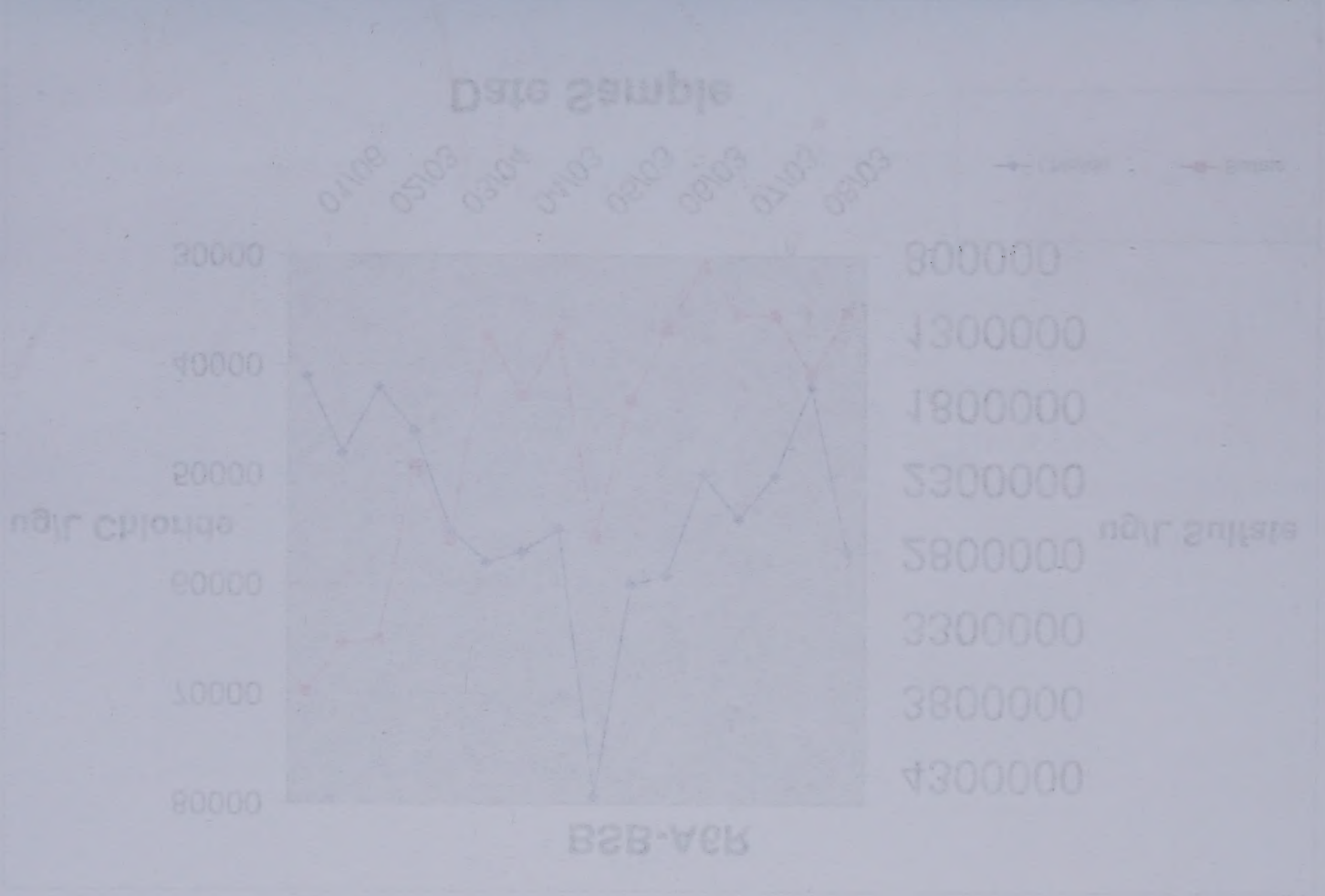
SILVER BOW COUNTY -OLD LANDFILL GROUNDWATER DATA SUMMARY

INORGANIC CONSTITUENTS (ug/L)

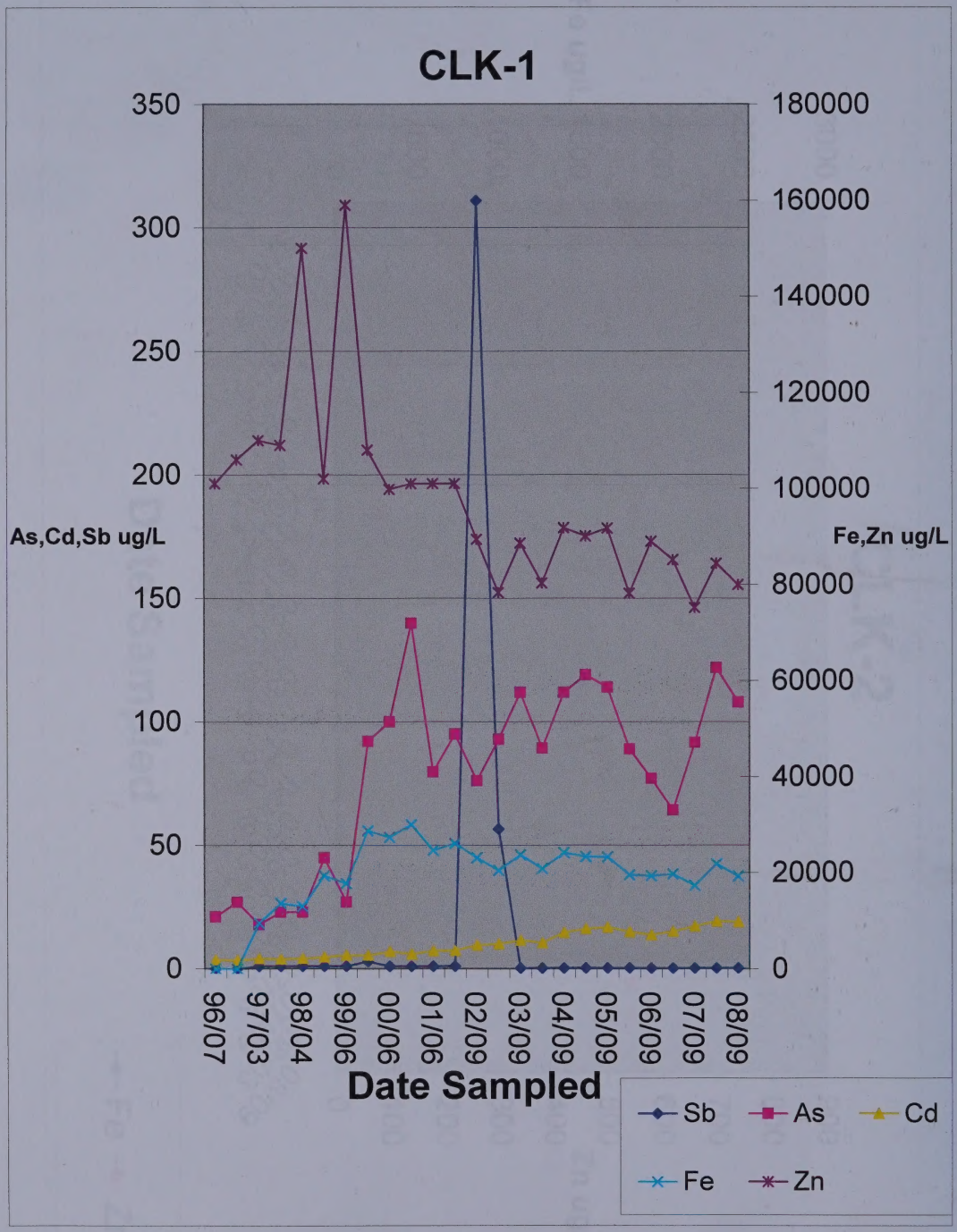
| | | |

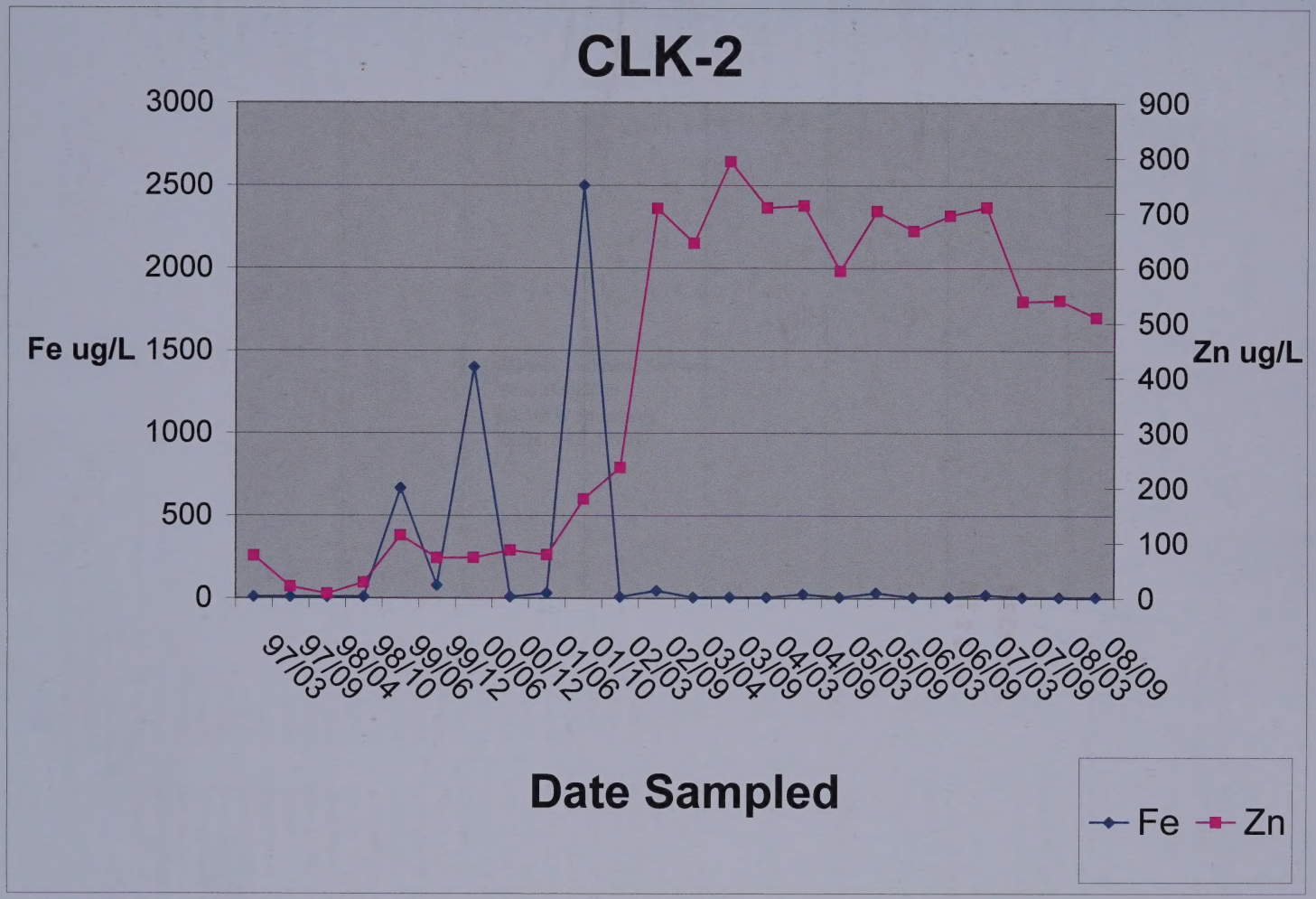

BSB-A1
ug/L
3.5
3
2.5
2
1.5
1
0.5
0
94/02
94/08
95/01
95/02
95/03
95/08
96/02
96/09
97/03
97/09
98/04
98/10
99/06
99/12
00/06
00/12
01/06
01/10
02/03
02/09
03/04
03/09
04/03
04/09
05/03
05/09
06/03
06/09
07/03
07/09
08/03
08/09
Date Sampled
1,1-Dichloroethene
cis-1,2-Dichloroethene
Tetrachloroethene
Trichloroethene

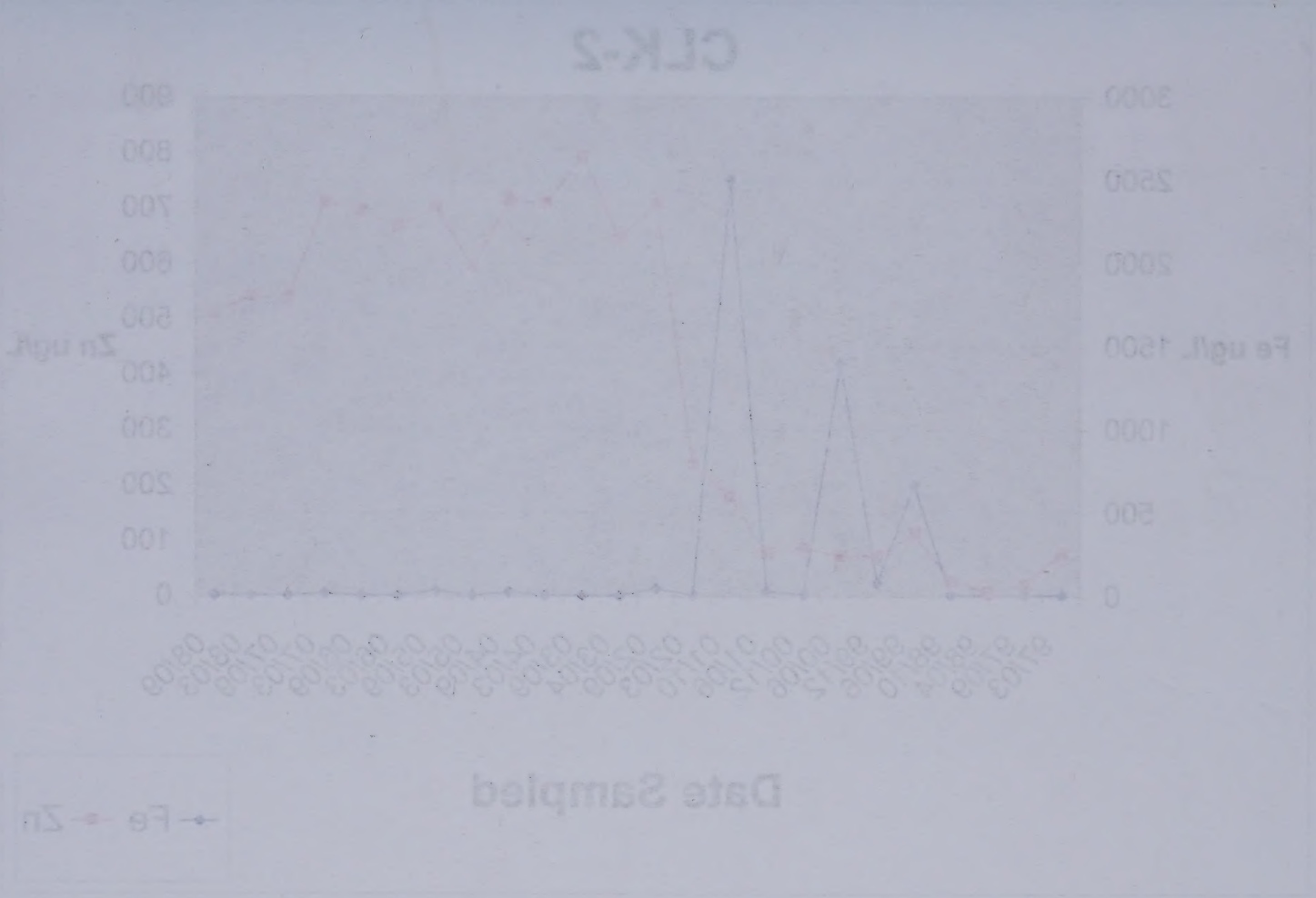

BSB-A6R
80000
70000
60000
50000
40000
30000
ug/L Chloride
4300000
3800000
3300000
2800000
2300000
1800000
1300000
800000
ug/L Sulfate
01/06
02/03
03/04
04/03
05/03
06/03
07/03
08/03
Date Sample
Chloride
Sulfate


BSB-ACR
Date Sample
mg/L chloride
mg/L sulfate
80000
70000
60000
50000
40000
30000
4300000
3800000
3300000
2800000
2300000
1800000
1300000
800000
01/03
02/03
03/04
04/03
05/03
06/03
07/03
08/03

BSB-A6R
ug/L
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0
01/06
02/03
03/04
04/03
05/03
06/03
07/03
08/03
Date Sample
1,1-Dichloroethene
cis-1,2-Dichloroethene
Tetrachloroethene
Trichloroethene


CLK-1
As,Cd,Sb ug/L
Fe,Zn ug/L
350
300
250
200
150
100
50
0
180000
160000
140000
120000
100000
80000
60000
40000
20000
0
96/07
97/03
98/04
99/06
00/06
01/06
02/09
03/09
04/09
05/09
06/09
07/09
08/09
Date Sampled
Sb
As
Cd
Fe
Zn


CLK-2
Fe ug/L
Zn ug/L
3000
2500
2000
1500
1000
500
0
900
800
700
600
500
400
300
200
100
0
9/03
9/09
98/04
98/10
99/06
99/12
00/06
00/12
01/06
01/10
02/03
02/09
03/04
03/09
04/03
04/09
05/03
05/09
06/03
06/09
07/03
07/09
08/03
08/09
Date Sampled
Fe
Zn


CLK-2
900
800
700
600
500
400
300
200
100
0
Zn ug/L
3000
2500
2000
1500
1000
500
0
Fe ug/L
Date Sampled
Fe
Zn

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800-735-4489 • 406-252-[illegible]5 • 406-252-6069 fax • ell@energylab.com

** REPORT **

Pioneer Technical Services
Brad Hollamon
63 1/2 W Broadway
Butte MT 59701

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08092749-001
Client Sample ID: BSB-GW-02

BSB-A1

Report Date: 10/21/08
Collection Date: 09/26/08 10:15
DateReceived: 09/30/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.9	s.u.		0.1		A4500 H	09/30/08 16:18 / mlb
Conductivity	472	umhos/cm		1		A2510 B	09/30/08 16:13 / mlb
INORGANICS							
Chloride	16	mg/L		1		E300.0	10/03/08 11:06 / qed
Sulfate	74	mg/L		1		E300.0	10/03/08 11:06 / qed
Cyanide, Total	ND	mg/L		0.005		Kelada mod	10/01/08 11:42 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	ND	mg/L		1		E410.4	10/01/08 10:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.40	mg/L		0.05		E353.2	10/02/08 13:45 / bls
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	10/03/08 13:57 / sbd
Acetonitrile	ND	ug/L		20		SW8260B	10/03/08 13:57 / sbd
Acrolein	ND	ug/L		20		SW8260B	10/03/08 13:57 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	10/03/08 13:57 / sbd
Allyl chloride	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
Benzene	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
Chloroprene	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08092749-001
Client Sample ID: BSB-GW-02

Report Date: 10/21/08
Collection Date: 09/26/08 10:15
DateReceived: 09/30/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
cis-1,2-Dichloroethene	0.22	ug/L	J	1.0		SW8260B	10/03/08 13:57 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	10/03/08 13:57 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
Isobutanol	ND	ug/L		50		SW8260B	10/03/08 13:57 / sbd
Methacrylonitrile	ND	ug/L		20		SW8260B	10/03/08 13:57 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/03/08 13:57 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	10/03/08 13:57 / sbd
Methyl methacrylate	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
Naphthalene	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
Pentachloroethane	ND	ug/L		2.0		SW8260B	10/03/08 13:57 / sbd
Propionitrile	ND	ug/L		20		SW8260B	10/03/08 13:57 / sbd
Styrene	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
Toluene	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	10/03/08 13:57 / sbd
Surr: 1,2-Dichloroethane-d4	93.0	%REC		70-130		SW8260B	10/03/08 13:57 / sbd
Surr: Dibromofluoromethane	100	%REC		77-126		SW8260B	10/03/08 13:57 / sbd
Surr: p-Bromofluorobenzene	105	%REC		76-127		SW8260B	10/03/08 13:57 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08092749-001
Client Sample ID: BSB-GW-02

Report Date: 10/21/08
Collection Date: 09/26/08 10:15
DateReceived: 09/30/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Surr: Toluene-d8	101	%REC		79-122		SW8260B	10/03/08 13:57 / sbd
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4,5-Tetrachlorobenzene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
1,2-Dichlorobenzene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
1,3,5-Trinitrobenzene	ND	ug/L		10		SW8270C	10/08/08 20:19 / dsm
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
1,3-Dinitrobenzene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
1,4-Benzenediamine	ND	ug/L	P			SW8270C	10/08/08 20:19 / dsm
1,4-Dichlorobenzene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
1,4-Naphthoquinone	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
1-Methylnaphthalene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
1-Naphthylamine	ND	ug/L		10		SW8270C	10/08/08 20:19 / dsm
2,3,4,6-Tetrachlorophenol	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
2,4,5-Trichlorophenol	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
2,4,6-Trichlorophenol	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
2,4-Dichlorophenol	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
2,4-Dimethylphenol	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
2,4-Dinitrophenol	ND	ug/L		50		SW8270C	10/07/08 19:17 / dsm
2,4-Dinitrotoluene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
2,6-Dichlorophenol	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
2,6-Dinitrotoluene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
2-Acetylaminofluorene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
2-Chloronaphthalene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
2-Chlorophenol	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
2-Methylnaphthalene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
2-Naphthylamine	ND	ug/L		10		SW8270C	10/08/08 20:19 / dsm
2-Nitroaniline	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
2-Nitrophenol	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
2-Picoline	ND	ug/L		10		SW8270C	10/08/08 20:19 / dsm
3,3´-Dichlorobenzidine	ND	ug/L		20		SW8270C	10/07/08 19:17 / dsm
3,3´-Dimethylbenzidine	ND	ug/L		10		SW8270C	10/08/08 20:19 / dsm
3-Methylcholanthrene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
3-Nitroaniline	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
4,6-Dinitro-2-methylphenol	ND	ug/L		50		SW8270C	10/07/08 19:17 / dsm
4-Aminobiphenyl	ND	ug/L		10		SW8270C	10/08/08 20:19 / dsm
4-Bromophenyl phenyl ether	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
4-Chloro-2-methylphenol	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
4-Chloro-3-methylphenol	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
4-Chlorophenol	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
4-Chlorophenyl phenyl ether	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
4-Nitroaniline	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08092749-001
Client Sample ID: BSB-GW-02

Report Date: 10/21/08
Collection Date: 09/26/08 10:15
DateReceived: 09/30/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
4-Nitrophenol	ND	ug/L		50		SW8270C	10/07/08 19:17 / dsm
4-Nitroquinoline-n-oxide	ND	ug/L		10		SW8270C	10/08/08 20:19 / dsm
5-Nitro-o-toluidine	ND	ug/L		10		SW8270C	10/08/08 20:19 / dsm
7,12-Dimethylbenz(a)anthracene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
a,a-Dimethylphenethylamine	ND	ug/L	P			SW8270C	10/08/08 20:19 / dsm
Acenaphthene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Acenaphthylene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Acetophenone	ND	ug/L		10		SW8270C	10/08/08 20:19 / dsm
Aniline	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Anthracene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Aramite	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Azobenzene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Benzidine	ND	ug/L		20		SW8270C	10/07/08 19:17 / dsm
Benzo(a)anthracene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Benzo(a)pyrene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Benzo(b)fluoranthene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Benzo(g,h,i)perylene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Benzo(k)fluoranthene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Benzyl alcohol	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
bis(-2-chloroethoxy)Methane	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
bis(-2-chloroethyl)Ether	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
bis(2-chloroisopropyl)Ether	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
bis(2-ethylhexyl)Phthalate	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Butylbenzylphthalate	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Chlorobenzilate	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Chrysene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Diallate	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Dibenzo(a,h)anthracene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Dibenzofuran	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Diethyl phthalate	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Dimethoate	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Dimethyl phthalate	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Di-n-butyl phthalate	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Di-n-octyl phthalate	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Diphenylamine	ND	ug/L		10		SW8270C	10/08/08 20:19 / dsm
Disulfoton	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Ethyl methanesulfonate	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Famphur	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Fluoranthene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Fluorene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Hexachlorobenzene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Hexachlorobutadiene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Hexachlorocyclopentadiene	ND	ug/L		20		SW8270C	10/07/08 19:17 / dsm

Report Definitions:
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MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08092749-001
Client Sample ID: BSB-GW-02

Report Date: 10/21/08
Collection Date: 09/26/08 10:15
DateReceived: 09/30/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Hexachloroethane	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Hexachlorophene	ND	ug/L	P			SW8270C	10/07/08 19:17 / dsm
Hexachloropropene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Indeno(1,2,3-cd)pyrene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Isophorone	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Isosafrole	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
m+p-Cresols	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Methapyrilene	ND	ug/L	P			SW8270C	10/07/08 19:17 / dsm
Methyl methanesulfonate	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Methyl parathion	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Naphthalene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Nitrobenzene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
n-Nitrosodiethylamine	ND	ug/L		10		SW8270C	10/08/08 20:19 / dsm
n-Nitrosodimethylamine	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
n-Nitroso-di-n-butylamine	ND	ug/L		10		SW8270C	10/08/08 20:19 / dsm
n-Nitroso-di-n-propylamine	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
n-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
n-Nitrosomethylethylamine	ND	ug/L		10		SW8270C	10/08/08 20:19 / dsm
n-Nitrosomorpholine	ND	ug/L		10		SW8270C	10/08/08 20:19 / dsm
n-Nitrosopiperidine	ND	ug/L		10		SW8270C	10/08/08 20:19 / dsm
n-Nitrosopyrrolidine	ND	ug/L		10		SW8270C	10/08/08 20:19 / dsm
o,o,o-Triethyl phosphorothioate	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
o-Cresol	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
o-Toluidine	ND	ug/L		10		SW8270C	10/08/08 20:19 / dsm
p-(dimethylamino)Azobenzene	ND	ug/L		10		SW8270C	10/08/08 20:19 / dsm
Parathion	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
p-Chloroaniline	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Pentachlorobenzene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Pentachloronitrobenzene	ND	ug/L		10		SW8270C	10/08/08 20:19 / dsm
Pentachlorophenol	ND	ug/L		50		SW8270C	10/07/08 19:17 / dsm
Phenacetin	ND	ug/L		10		SW8270C	10/08/08 20:19 / dsm
Phenanthrene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Phenol	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Phorate	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Pronamide	ND	ug/L		10		SW8270C	10/08/08 20:19 / dsm
Pyrene	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Pyridine	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Safrole	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Sulfotep	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Thionazin	ND	ug/L		10		SW8270C	10/07/08 19:17 / dsm
Surr: 2,4,6-Tribromophenol	50.0	%REC		21-130		SW8270C	10/07/08 19:17 / dsm
Surr: 2-Fluorobiphenyl	49.0	%REC		28-107		SW8270C	10/07/08 19:17 / dsm
Surr: 2-Fluorophenol	29.0	%REC		20-56		SW8270C	10/07/08 19:17 / dsm

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08092749-001
Client Sample ID: BSB-GW-02

Report Date: 10/21/08
Collection Date: 09/26/08 10:15
DateReceived: 09/30/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Surr: Nitrobenzene-d5	52.0	%REC		32-94		SW8270C	10/07/08 19:17 / dsm
Surr: Phenol-d5	28.0	%REC		19-45		SW8270C	10/07/08 19:17 / dsm
Surr: Terphenyl-d14	43.0	%REC		32-122		SW8270C	10/07/08 19:17 / dsm
HERBICIDES, CHLORINATED							
2,4-D	ND	ug/L		1.0		SW8151A	10/07/08 21:18 / ldw
Dinoseb	ND	ug/L		1.0		SW8151A	10/07/08 21:18 / ldw
2,4,5-T	ND	ug/L		0.20		SW8151A	10/07/08 21:18 / ldw
2,4,5-TP (Silvex)	ND	ug/L		0.20		SW8151A	10/07/08 21:18 / ldw
Surr: DCAA	77.0	%REC		57-125		SW8151A	10/07/08 21:18 / ldw

Report Definitions:
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ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08092749-002
Client Sample ID: BSB-GW-04

BSB-A6-R

Report Date: 10/21/08
Collection Date: 09/26/08 11:00
DateReceived: 09/30/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.0	s.u.		0.1		A4500 H	09/30/08 16:20 / mlb
Conductivity	2340	umhos/cm		1		A2510 B	09/30/08 16:14 / mlb
INORGANICS							
Chloride	57	mg/L		1		E300.0	10/03/08 11:18 / qed
Sulfate	1180	mg/L		1		E300.0	10/07/08 14:21 / qed
Cyanide, Total	0.021	mg/L		0.005		Kelada mod	10/10/08 15:31 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	199	mg/L		1		E410.4	10/01/08 10:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	10/02/08 13:48 / bls
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	10/03/08 14:33 / sbd
Acetonitrile	ND	ug/L		20		SW8260B	10/03/08 14:33 / sbd
Acrolein	ND	ug/L		20		SW8260B	10/03/08 14:33 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	10/03/08 14:33 / sbd
Allyl chloride	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
Benzene	0.58	ug/L	J	1.0		SW8260B	10/03/08 14:33 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
Chloroethane	0.45	ug/L	J	1.0		SW8260B	10/03/08 14:33 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
Chloroprene	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
1,4-Dichlorobenzene	2.6	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
Dichlorodifluoromethane	1.1	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
1,1-Dichloroethane	1.3	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08092749-002
Client Sample ID: BSB-GW-04

Report Date: 10/21/08
Collection Date: 09/26/08 11:00
DateReceived: 09/30/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
cis-1,2-Dichloroethene	8.5	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
trans-1,2-Dichloroethene	0.22	ug/L	J	1.0		SW8260B	10/03/08 14:33 / sbd
1,2-Dichloropropane	0.44	ug/L	J	1.0		SW8260B	10/03/08 14:33 / sbd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	10/03/08 14:33 / sbd
Iodomethane	0.22	ug/L	J	1.0		SW8260B	10/03/08 14:33 / sbd
Isobutanol	ND	ug/L		50		SW8260B	10/03/08 14:33 / sbd
Methacrylonitrile	ND	ug/L		20		SW8260B	10/03/08 14:33 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/03/08 14:33 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	10/03/08 14:33 / sbd
Methyl methacrylate	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
Methylene chloride	0.20	ug/L	J	1.0		SW8260B	10/03/08 14:33 / sbd
Naphthalene	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
Pentachloroethane	ND	ug/L		2.0		SW8260B	10/03/08 14:33 / sbd
Propionitrile	ND	ug/L		20		SW8260B	10/03/08 14:33 / sbd
Styrene	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
Tetrachloroethene	0.28	ug/L	J	1.0		SW8260B	10/03/08 14:33 / sbd
Toluene	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
Trichloroethene	0.54	ug/L	J	1.0		SW8260B	10/03/08 14:33 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
Vinyl chloride	6.1	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	10/03/08 14:33 / sbd
Surr: 1,2-Dichloroethane-d4	94.0	%REC		70-130		SW8260B	10/03/08 14:33 / sbd
Surr: Dibromofluoromethane	102	%REC		77-126		SW8260B	10/03/08 14:33 / sbd
Surr: p-Bromofluorobenzene	102	%REC		76-127		SW8260B	10/03/08 14:33 / sbd

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08092749-002
Client Sample ID: BSB-GW-04

Report Date: 10/21/08
Collection Date: 09/26/08 11:00
DateReceived: 09/30/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Surr: Toluene-d8	101	%REC		79-122		SW8260B	10/03/08 14:33 / sbd
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4,5-Tetrachlorobenzene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
1,2-Dichlorobenzene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
1,3,5-Trinitrobenzene	ND	ug/L		10		SW8270C	10/08/08 20:49 / dsm
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
1,3-Dinitrobenzene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
1,4-Benzenediamine	ND	ug/L	P			SW8270C	10/08/08 20:49 / dsm
1,4-Dichlorobenzene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
1,4-Naphthoquinone	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
1-Methylnaphthalene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
1-Naphthylamine	ND	ug/L		10		SW8270C	10/08/08 20:49 / dsm
2,3,4,6-Tetrachlorophenol	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
2,4,5-Trichlorophenol	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
2,4,6-Trichlorophenol	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
2,4-Dichlorophenol	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
2,4-Dimethylphenol	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
2,4-Dinitrophenol	ND	ug/L		50		SW8270C	10/07/08 19:47 / dsm
2,4-Dinitrotoluene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
2,6-Dichlorophenol	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
2,6-Dinitrotoluene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
2-Acetylaminofluorene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
2-Chloronaphthalene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
2-Chlorophenol	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
2-Methylnaphthalene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
2-Naphthylamine	ND	ug/L		10		SW8270C	10/08/08 20:49 / dsm
2-Nitroaniline	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
2-Nitrophenol	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
2-Picoline	ND	ug/L		10		SW8270C	10/08/08 20:49 / dsm
3,3'-Dichlorobenzidine	ND	ug/L		20		SW8270C	10/07/08 19:47 / dsm
3,3'-Dimethylbenzidine	ND	ug/L		10		SW8270C	10/08/08 20:49 / dsm
3-Methylcholanthrene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
3-Nitroaniline	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
4,6-Dinitro-2-methylphenol	ND	ug/L		50		SW8270C	10/07/08 19:47 / dsm
4-Aminobiphenyl	ND	ug/L		10		SW8270C	10/08/08 20:49 / dsm
4-Bromophenyl phenyl ether	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
4-Chloro-2-methylphenol	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
4-Chloro-3-methylphenol	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
4-Chlorophenol	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
4-Chlorophenyl phenyl ether	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
4-Nitroaniline	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08092749-002
Client Sample ID: BSB-GW-04

Report Date: 10/21/08
Collection Date: 09/26/08 11:00
DateReceived: 09/30/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
4-Nitrophenol	ND	ug/L		50		SW8270C	10/07/08 19:47 / dsm
4-Nitroquinoline-n-oxide	ND	ug/L		10		SW8270C	10/08/08 20:49 / dsm
5-Nitro-o-toluidine	ND	ug/L		10		SW8270C	10/08/08 20:49 / dsm
7,12-Dimethylbenz(a)anthracene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
a,a-Dimethylphenethylamine	ND	ug/L	P			SW8270C	10/08/08 20:49 / dsm
Acenaphthene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Acenaphthylene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Acetophenone	ND	ug/L		10		SW8270C	10/08/08 20:49 / dsm
Aniline	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Anthracene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Aramite	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Azobenzene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Benzidine	ND	ug/L		20		SW8270C	10/07/08 19:47 / dsm
Benzo(a)anthracene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Benzo(a)pyrene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Benzo(b)fluoranthene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Benzo(g,h,i)perylene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Benzo(k)fluoranthene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Benzyl alcohol	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
bis(-2-chloroethoxy)Methane	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
bis(-2-chloroethyl)Ether	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
bis(2-chloroisopropyl)Ether	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
bis(2-ethylhexyl)Phthalate	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Butylbenzylphthalate	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Chlorobenzilate	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Chrysene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Diallate	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Dibenzo(a,h)anthracene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Dibenzofuran	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Diethyl phthalate	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Dimethoate	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Dimethyl phthalate	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Di-n-butyl phthalate	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Di-n-octyl phthalate	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Diphenylamine	ND	ug/L		10		SW8270C	10/08/08 20:49 / dsm
Disulfoton	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Ethyl methanesulfonate	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Famphur	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Fluoranthene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Fluorene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Hexachlorobenzene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Hexachlorobutadiene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Hexachlorocyclopentadiene	ND	ug/L		20		SW8270C	10/07/08 19:47 / dsm

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08092749-002
Client Sample ID: BSB-GW-04

Report Date: 10/21/08
Collection Date: 09/26/08 11:00
DateReceived: 09/30/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Hexachloroethane	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Hexachlorophene	ND	ug/L	P			SW8270C	10/07/08 19:47 / dsm
Hexachloropropene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Indeno(1,2,3-cd)pyrene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Isophorone	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Isosafrole	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
m+p-Cresols	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Methapyrilene	ND	ug/L	P			SW8270C	10/07/08 19:47 / dsm
Methyl methanesulfonate	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Methyl parathion	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Naphthalene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Nitrobenzene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
n-Nitrosodiethylamine	ND	ug/L		10		SW8270C	10/08/08 20:49 / dsm
n-Nitrosodimethylamine	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
n-Nitroso-di-n-butylamine	ND	ug/L		10		SW8270C	10/08/08 20:49 / dsm
n-Nitroso-di-n-propylamine	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
n-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
n-Nitrosomethylethylamine	ND	ug/L		10		SW8270C	10/08/08 20:49 / dsm
n-Nitrosomorpholine	ND	ug/L		10		SW8270C	10/08/08 20:49 / dsm
n-Nitrosopiperidine	ND	ug/L		10		SW8270C	10/08/08 20:49 / dsm
n-Nitrosopyrrolidine	ND	ug/L		10		SW8270C	10/08/08 20:49 / dsm
o,o,o-Triethyl phosphorothioate	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
o-Cresol	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
o-Toluidine	ND	ug/L		10		SW8270C	10/08/08 20:49 / dsm
p-(dimethylamino)Azobenzene	ND	ug/L		10		SW8270C	10/08/08 20:49 / dsm
Parathion	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
p-Chloroaniline	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Pentachlorobenzene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Pentachloronitrobenzene	ND	ug/L		10		SW8270C	10/08/08 20:49 / dsm
Pentachlorophenol	ND	ug/L		50		SW8270C	10/07/08 19:47 / dsm
Phenacetin	ND	ug/L		10		SW8270C	10/08/08 20:49 / dsm
Phenanthrene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Phenol	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Phorate	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Pronamide	ND	ug/L		10		SW8270C	10/08/08 20:49 / dsm
Pyrene	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Pyridine	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Safrole	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Sulfotep	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Thionazin	ND	ug/L		10		SW8270C	10/07/08 19:47 / dsm
Surr: 2,4,6-Tribromophenol	42.0	%REC		21-130		SW8270C	10/07/08 19:47 / dsm
Surr: 2-Fluorobiphenyl	38.0	%REC		28-107		SW8270C	10/07/08 19:47 / dsm
Surr: 2-Fluorophenol	30.0	%REC		20-56		SW8270C	10/07/08 19:47 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08092749-002
Client Sample ID: BSB-GW-04

Report Date: 10/21/08
Collection Date: 09/26/08 11:00
DateReceived: 09/30/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Surr: Nitrobenzene-d5	41.0	%REC		32-94		SW8270C	10/07/08 19:47 / dsm
Surr: Phenol-d5	28.0	%REC		19-45		SW8270C	10/07/08 19:47 / dsm
Surr: Terphenyl-d14	33.0	%REC		32-122		SW8270C	10/07/08 19:47 / dsm
HERBICIDES, CHLORINATED							
2,4-D	ND	ug/L		1.0		SW8151A	10/07/08 21:50 / ldw
Dinoseb	ND	ug/L		1.0		SW8151A	10/07/08 21:50 / ldw
2,4,5-T	ND	ug/L		0.20		SW8151A	10/07/08 21:50 / ldw
2,4,5-TP (Silvex)	ND	ug/L		0.20		SW8151A	10/07/08 21:50 / ldw
Surr: DCAA	67.0	%REC		57-125		SW8151A	10/07/08 21:50 / ldw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08092749-003
Client Sample ID: BSB-GW-03

BSB-A5

Report Date: 10/21/08
Collection Date: 09/26/08 11:30
DateReceived: 09/30/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	5.6	s.u.		0.1		A4500 H	09/30/08 16:21 / mlb
Conductivity	1180	umhos/cm		1		A2510 B	09/30/08 16:15 / mlb
INORGANICS							
Chloride	27	mg/L		1		E300.0	10/03/08 11:53 / qed
Sulfate	544	mg/L		1		E300.0	10/03/08 11:53 / qed
Cyanide, Total	ND	mg/L		0.005		Kelada mod	10/01/08 11:51 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	12	mg/L		1		E410.4	10/01/08 10:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	2.92	mg/L		0.05		E353.2	10/02/08 13:49 / bls
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	10/03/08 15:08 / sbd
Acetonitrile	ND	ug/L		20		SW8260B	10/03/08 15:08 / sbd
Acrolein	ND	ug/L		20		SW8260B	10/03/08 15:08 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	10/03/08 15:08 / sbd
Allyl chloride	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
Benzene	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
Chloroprene	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08092749-003
Client Sample ID: BSB-GW-03

Report Date: 10/21/08
Collection Date: 09/26/08 11:30
DateReceived: 09/30/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
cis-1,2-Dichloroethene	1.0	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	10/03/08 15:08 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
Isobutanol	ND	ug/L		50		SW8260B	10/03/08 15:08 / sbd
Methacrylonitrile	ND	ug/L		20		SW8260B	10/03/08 15:08 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/03/08 15:08 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	10/03/08 15:08 / sbd
Methyl methacrylate	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
Naphthalene	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
Pentachloroethane	ND	ug/L		2.0		SW8260B	10/03/08 15:08 / sbd
Propionitrile	ND	ug/L		20		SW8260B	10/03/08 15:08 / sbd
Styrene	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
Tetrachloroethene	0.71	ug/L	J	1.0		SW8260B	10/03/08 15:08 / sbd
Toluene	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
Trichloroethene	0.18	ug/L	J	1.0		SW8260B	10/03/08 15:08 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	10/03/08 15:08 / sbd
Surr: 1,2-Dichloroethane-d4	97.0	%REC		70-130		SW8260B	10/03/08 15:08 / sbd
Surr: Dibromofluoromethane	102	%REC		77-126		SW8260B	10/03/08 15:08 / sbd
Surr: p-Bromofluorobenzene	106	%REC		76-127		SW8260B	10/03/08 15:08 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08092749-003
Client Sample ID: BSB-GW-03

Report Date: 10/21/08
Collection Date: 09/26/08 11:30
DateReceived: 09/30/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Surr: Toluene-d8	104	%REC		79-122		SW8260B	10/03/08 15:08 / sbd
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4,5-Tetrachlorobenzene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
1,2-Dichlorobenzene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
1,3,5-Trinitrobenzene	ND	ug/L		10		SW8270C	10/08/08 21:20 / dsm
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
1,3-Dinitrobenzene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
1,4-Benzenediamine	ND	ug/L	P			SW8270C	10/08/08 21:20 / dsm
1,4-Dichlorobenzene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
1,4-Naphthoquinone	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
1-Methylnaphthalene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
1-Naphthylamine	ND	ug/L		10		SW8270C	10/08/08 21:20 / dsm
2,3,4,6-Tetrachlorophenol	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
2,4,5-Trichlorophenol	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
2,4,6-Trichlorophenol	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
2,4-Dichlorophenol	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
2,4-Dimethylphenol	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
2,4-Dinitrophenol	ND	ug/L		50		SW8270C	10/07/08 20:18 / dsm
2,4-Dinitrotoluene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
2,6-Dichlorophenol	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
2,6-Dinitrotoluene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
2-Acetylaminofluorene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
2-Chloronaphthalene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
2-Chlorophenol	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
2-Methylnaphthalene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
2-Naphthylamine	ND	ug/L		10		SW8270C	10/08/08 21:20 / dsm
2-Nitroaniline	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
2-Nitrophenol	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
2-Picoline	ND	ug/L		10		SW8270C	10/08/08 21:20 / dsm
3,3'-Dichlorobenzidine	ND	ug/L		20		SW8270C	10/07/08 20:18 / dsm
3,3'-Dimethylbenzidine	ND	ug/L		10		SW8270C	10/08/08 21:20 / dsm
3-Methylcholanthrene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
3-Nitroaniline	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
4,6-Dinitro-2-methylphenol	ND	ug/L		50		SW8270C	10/07/08 20:18 / dsm
4-Aminobiphenyl	ND	ug/L		10		SW8270C	10/08/08 21:20 / dsm
4-Bromophenyl phenyl ether	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
4-Chloro-2-methylphenol	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
4-Chloro-3-methylphenol	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
4-Chlorophenol	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
4-Chlorophenyl phenyl ether	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
4-Nitroaniline	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm

Report Definitions:
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QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08092749-003
Client Sample ID: BSB-GW-03

Report Date: 10/21/08
Collection Date: 09/26/08 11:30
DateReceived: 09/30/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
4-Nitrophenol	ND	ug/L		50		SW8270C	10/07/08 20:18 / dsm
4-Nitroquinoline-n-oxide	ND	ug/L		10		SW8270C	10/08/08 21:20 / dsm
5-Nitro-o-toluidine	ND	ug/L		10		SW8270C	10/08/08 21:20 / dsm
7,12-Dimethylbenz(a)anthracene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
a,a-Dimethylphenethylamine	ND	ug/L	P			SW8270C	10/08/08 21:20 / dsm
Acenaphthene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Acenaphthylene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Acetophenone	ND	ug/L		10		SW8270C	10/08/08 21:20 / dsm
Aniline	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Anthracene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Aramite	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Azobenzene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Benzidine	ND	ug/L		20		SW8270C	10/07/08 20:18 / dsm
Benzo(a)anthracene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Benzo(a)pyrene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Benzo(b)fluoranthene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Benzo(g,h,i)perylene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Benzo(k)fluoranthene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Benzyl alcohol	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
bis(-2-chloroethoxy)Methane	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
bis(-2-chloroethyl)Ether	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
bis(2-chloroisopropyl)Ether	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
bis(2-ethylhexyl)Phthalate	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Butylbenzylphthalate	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Chlorobenzilate	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Chrysene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Diallate	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Dibenzo(a,h)anthracene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Dibenzofuran	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Diethyl phthalate	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Dimethoate	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Dimethyl phthalate	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Di-n-butyl phthalate	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Di-n-octyl phthalate	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Diphenylamine	ND	ug/L		10		SW8270C	10/08/08 21:20 / dsm
Disulfoton	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Ethyl methanesulfonate	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Famphur	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Fluoranthene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Fluorene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Hexachlorobenzene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Hexachlorobutadiene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Hexachlorocyclopentadiene	ND	ug/L		20		SW8270C	10/07/08 20:18 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08092749-003
Client Sample ID: BSB-GW-03

Report Date: 10/21/08
Collection Date: 09/26/08 11:30
DateReceived: 09/30/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Hexachloroethane	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Hexachlorophene	ND	ug/L	P			SW8270C	10/07/08 20:18 / dsm
Hexachloropropene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Indeno(1,2,3-cd)pyrene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Isophorone	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Isosafrole	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
m+p-Cresols	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Methapyrilene	ND	ug/L	P			SW8270C	10/07/08 20:18 / dsm
Methyl methanesulfonate	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Methyl parathion	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Naphthalene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Nitrobenzene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
n-Nitrosodiethylamine	ND	ug/L		10		SW8270C	10/08/08 21:20 / dsm
n-Nitrosodimethylamine	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
n-Nitroso-di-n-butylamine	ND	ug/L		10		SW8270C	10/08/08 21:20 / dsm
n-Nitroso-di-n-propylamine	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
n-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
n-Nitrosomethylethylamine	ND	ug/L		10		SW8270C	10/08/08 21:20 / dsm
n-Nitrosomorpholine	ND	ug/L		10		SW8270C	10/08/08 21:20 / dsm
n-Nitrosopiperidine	ND	ug/L		10		SW8270C	10/08/08 21:20 / dsm
n-Nitrosopyrrolidine	ND	ug/L		10		SW8270C	10/08/08 21:20 / dsm
o,o,o-Triethyl phosphorothioate	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
o-Cresol	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
o-Toluidine	ND	ug/L		10		SW8270C	10/08/08 21:20 / dsm
p-(dimethylamino)Azobenzene	ND	ug/L		10		SW8270C	10/08/08 21:20 / dsm
Parathion	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
p-Chloroaniline	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Pentachlorobenzene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Pentachloronitrobenzene	ND	ug/L		10		SW8270C	10/08/08 21:20 / dsm
Pentachlorophenol	ND	ug/L		50		SW8270C	10/07/08 20:18 / dsm
Phenacetin	ND	ug/L		10		SW8270C	10/08/08 21:20 / dsm
Phenanthrene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Phenol	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Phorate	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Pronamide	ND	ug/L		10		SW8270C	10/08/08 21:20 / dsm
Pyrene	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Pyridine	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Safrole	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Sulfotep	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Thionazin	ND	ug/L		10		SW8270C	10/07/08 20:18 / dsm
Surr: 2,4,6-Tribromophenol	41.0	%REC		21-130		SW8270C	10/07/08 20:18 / dsm
Surr: 2-Fluorobiphenyl	36.0	%REC		28-107		SW8270C	10/07/08 20:18 / dsm
Surr: 2-Fluorophenol	23.0	%REC		20-56		SW8270C	10/07/08 20:18 / dsm

Report Definitions:
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ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08092749-003
Client Sample ID: BSB-GW-03

Report Date: 10/21/08
Collection Date: 09/26/08 11:30
DateReceived: 09/30/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Surr: Nitrobenzene-d5	36.0	%REC		32-94		SW8270C	10/07/08 20:18 / dsm
Surr: Phenol-d5	19.0	%REC		19-45		SW8270C	10/07/08 20:18 / dsm
Surr: Terphenyl-d14	35.0	%REC		32-122		SW8270C	10/07/08 20:18 / dsm
HERBICIDES, CHLORINATED							
2,4-D	ND	ug/L		1.0		SW8151A	10/07/08 22:22 / ldw
Dinoseb	ND	ug/L		1.0		SW8151A	10/07/08 22:22 / ldw
2,4,5-T	ND	ug/L		0.20		SW8151A	10/07/08 22:22 / ldw
2,4,5-TP (Silvex)	ND	ug/L		0.20		SW8151A	10/07/08 22:22 / ldw
Surr: DCAA	68.0	%REC		57-125		SW8151A	10/07/08 22:22 / ldw

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08092749-004
Client Sample ID: BSB-GW-01

MBMG-2

Report Date: 10/21/08
Collection Date: 09/26/08 12:15
DateReceived: 09/30/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.0	s.u.		0.1		A4500 H	09/30/08 16:22 / mlb
Conductivity	786	umhos/cm		1		A2510 B	09/30/08 16:16 / mlb
INORGANICS							
Chloride	56	mg/L		1		E300.0	10/03/08 12:04 / qed
Sulfate	149	mg/L		1		E300.0	10/03/08 12:04 / qed
Cyanide, Total	ND	mg/L		0.005		Kelada mod	10/01/08 11:53 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	8	mg/L		1		E410.4	10/01/08 10:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	4.21	mg/L		0.05		E353.2	10/02/08 13:51 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		E200.8	10/03/08 18:10 / aje
Arsenic	ND	mg/L		0.005		E200.8	10/03/08 18:10 / aje
Barium	0.1	mg/L		0.1		E200.7	10/01/08 15:07 / rlh
Beryllium	ND	mg/L		0.001		E200.7	10/01/08 15:07 / rlh
Cadmium	ND	mg/L		0.001		E200.8	10/03/08 18:10 / aje
Chromium	ND	mg/L		0.01		E200.7	10/01/08 15:07 / rlh
Copper	ND	mg/L		0.01		E200.7	10/01/08 15:07 / rlh
Iron	ND	mg/L		0.03		E200.7	10/01/08 15:07 / rlh
Lead	ND	mg/L		0.01		E200.8	10/03/08 18:10 / aje
Mercury	ND	mg/L		0.001		E200.8	10/06/08 16:44 / jjw
Nickel	ND	mg/L		0.01		E200.7	10/01/08 15:07 / rlh
Selenium	ND	mg/L		0.005		E200.8	10/03/08 18:10 / aje
Silver	ND	mg/L		0.005		E200.8	10/03/08 18:10 / aje
Thallium	ND	mg/L		0.005		E200.8	10/03/08 18:10 / aje
Vanadium	ND	mg/L		0.1		E200.7	10/01/08 15:07 / rlh
Zinc	ND	mg/L		0.01		E200.7	10/01/08 15:07 / rlh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	10/03/08 15:43 / sbd
Acetonitrile	ND	ug/L		20		SW8260B	10/03/08 15:43 / sbd
Acrolein	ND	ug/L		20		SW8260B	10/03/08 15:43 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	10/03/08 15:43 / sbd
Allyl chloride	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
Benzene	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd

Report Definitions:
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ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08092749-004
Client Sample ID: BSB-GW-01

Report Date: 10/21/08
Collection Date: 09/26/08 12:15
DateReceived: 09/30/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Bromomethane	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
Chloroform	0.42	ug/L	J	1.0		SW8260B	10/03/08 15:43 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
Chloroprene	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
Ethyl methacrylate	0.13	ug/L	J	1.0		SW8260B	10/03/08 15:43 / sbd
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	10/03/08 15:43 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
Isobutanol	4.8	ug/L	J	50		SW8260B	10/03/08 15:43 / sbd
Methacrylonitrile	ND	ug/L		20		SW8260B	10/03/08 15:43 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/03/08 15:43 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	10/03/08 15:43 / sbd
Methyl methacrylate	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
Naphthalene	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
Pentachloroethane	ND	ug/L		2.0		SW8260B	10/03/08 15:43 / sbd
Propionitrile	ND	ug/L		20		SW8260B	10/03/08 15:43 / sbd
Styrene	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08092749-004
Client Sample ID: BSB-GW-01

Report Date: 10/21/08
Collection Date: 09/26/08 12:15
DateReceived: 09/30/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
Toluene	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	10/03/08 15:43 / sbd
Surr: 1,2-Dichloroethane-d4	98.0	%REC		70-130		SW8260B	10/03/08 15:43 / sbd
Surr: Dibromofluoromethane	102	%REC		77-126		SW8260B	10/03/08 15:43 / sbd
Surr: p-Bromofluorobenzene	104	%REC		76-127		SW8260B	10/03/08 15:43 / sbd
Surr: Toluene-d8	98.0	%REC		79-122		SW8260B	10/03/08 15:43 / sbd
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4,5-Tetrachlorobenzene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
1,2-Dichlorobenzene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
1,3,5-Trinitrobenzene	ND	ug/L		10		SW8270C	10/08/08 21:51 / dsm
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
1,3-Dinitrobenzene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
1,4-Benzenediamine	ND	ug/L	P			SW8270C	10/08/08 21:51 / dsm
1,4-Dichlorobenzene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
1,4-Naphthoquinone	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
1-Methylnaphthalene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
1-Naphthylamine	ND	ug/L		10		SW8270C	10/08/08 21:51 / dsm
2,3,4,6-Tetrachlorophenol	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
2,4,5-Trichlorophenol	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
2,4,6-Trichlorophenol	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
2,4-Dichlorophenol	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
2,4-Dimethylphenol	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
2,4-Dinitrophenol	ND	ug/L		50		SW8270C	10/07/08 20:49 / dsm
2,4-Dinitrotoluene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
2,6-Dichlorophenol	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
2,6-Dinitrotoluene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
2-Acetylaminofluorene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
2-Chloronaphthalene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm

Report Definitions:
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QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08092749-004
Client Sample ID: BSB-GW-01

Report Date: 10/21/08
Collection Date: 09/26/08 12:15
DateReceived: 09/30/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
2-Chlorophenol	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
2-Methylnaphthalene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
2-Naphthylamine	ND	ug/L		10		SW8270C	10/08/08 21:51 / dsm
2-Nitroaniline	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
2-Nitrophenol	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
2-Picoline	ND	ug/L		10		SW8270C	10/08/08 21:51 / dsm
3,3´-Dichlorobenzidine	ND	ug/L		20		SW8270C	10/07/08 20:49 / dsm
3,3´-Dimethylbenzidine	ND	ug/L		10		SW8270C	10/08/08 21:51 / dsm
3-Methylcholanthrene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
3-Nitroaniline	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
4,6-Dinitro-2-methylphenol	ND	ug/L		50		SW8270C	10/07/08 20:49 / dsm
4-Aminobiphenyl	ND	ug/L		10		SW8270C	10/08/08 21:51 / dsm
4-Bromophenyl phenyl ether	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
4-Chloro-2-methylphenol	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
4-Chloro-3-methylphenol	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
4-Chlorophenol	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
4-Chlorophenyl phenyl ether	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
4-Nitroaniline	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
4-Nitrophenol	ND	ug/L		50		SW8270C	10/07/08 20:49 / dsm
4-Nitroquinoline-n-oxide	ND	ug/L		10		SW8270C	10/08/08 21:51 / dsm
5-Nitro-o-toluidine	ND	ug/L		10		SW8270C	10/08/08 21:51 / dsm
7,12-Dimethylbenz(a)anthracene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
a,a-Dimethylphenethylamine	ND	ug/L	P			SW8270C	10/08/08 21:51 / dsm
Acenaphthene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Acenaphthylene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Acetophenone	ND	ug/L		10		SW8270C	10/08/08 21:51 / dsm
Aniline	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Anthracene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Aramite	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Azobenzene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Benzidine	ND	ug/L		20		SW8270C	10/07/08 20:49 / dsm
Benzo(a)anthracene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Benzo(a)pyrene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Benzo(b)fluoranthene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Benzo(g,h,i)perylene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Benzo(k)fluoranthene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Benzyl alcohol	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
bis(-2-chloroethoxy)Methane	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
bis(-2-chloroethyl)Ether	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
bis(2-chloroisopropyl)Ether	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
bis(2-ethylhexyl)Phthalate	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Butylbenzylphthalate	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Chlorobenzilate	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Ayre Sports Plus Vista Dam
Project:
Lab ID:
Client Sample ID: BH-SW2/W1

Report Date: 12/11/08
Collection Date: 08/26/08 12:15
Date Received: 08/28/08
Matrix: Aqueous

Analyte	Result	Units	Qualifiers	RL	MCL CCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
2-Chlorophenol	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
2-Methylphenol	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
3-Methylphenol	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
2-Nitrophenol	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
2,4-Dimethylphenol	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
2-Phenol	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
3,3'-Dichlorobenzidine	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
3,3'-Dimethylbenzidine	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
4-Bromophenol	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
4-Chloroaniline	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
4-Chloro-3-methylphenol	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
4-Nitrophenol	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
Acetophenone	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
Benzoic acid	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
Benzyl alcohol	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
Bis(2-chloroethyl)ether	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
Bis(2-chloroisopropyl)ether	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
Bis(2-ethylhexyl)phthalate	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
Butylbenzylphthalate	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
Carbazole	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
Chlorobenzene	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
Dibenzofuran	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
Diethylphthalate	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
Dimethylphthalate	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
Di-n-butylphthalate	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
Di-n-octylphthalate	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
Hexachlorobenzene	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
Hexachlorocyclopentadiene	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
Hexachloroethane	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
Isophorone	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
Nitrobenzene	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
N-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
N-Nitrosodipropylamine	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
Pentachlorophenol	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
Phenol	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam
Pyridine	ND	ug/L		10		SW8270C	10/07/08 22:49 / dam

Report Date: 12/11/08
Client Sample ID: BH-SW2/W1

RL - Analyte reporting limit.
QCL - Quality control limit.
R - Low recovery confirmed by reanalysis.
Results are reported as the lowest of the reporting limit or the method detection limit.
Qualifiers:

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08092749-004
Client Sample ID: BSB-GW-01

Report Date: 10/21/08
Collection Date: 09/26/08 12:15
DateReceived: 09/30/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Chrysene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Diallate	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Dibenzo(a,h)anthracene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Dibenzofuran	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Diethyl phthalate	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Dimethoate	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Dimethyl phthalate	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Di-n-butyl phthalate	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Di-n-octyl phthalate	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Diphenylamine	ND	ug/L		10		SW8270C	10/08/08 21:51 / dsm
Disulfoton	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Ethyl methanesulfonate	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Famphur	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Fluoranthene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Fluorene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Hexachlorobenzene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Hexachlorobutadiene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Hexachlorocyclopentadiene	ND	ug/L		20		SW8270C	10/07/08 20:49 / dsm
Hexachloroethane	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Hexachlorophene	ND	ug/L	P			SW8270C	10/07/08 20:49 / dsm
Hexachloropropene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Indeno(1,2,3-cd)pyrene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Isophorone	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Isosafrole	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
m+p-Cresols	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Methapyrilene	ND	ug/L	P			SW8270C	10/07/08 20:49 / dsm
Methyl methanesulfonate	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Methyl parathion	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Naphthalene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Nitrobenzene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
n-Nitrosodiethylamine	ND	ug/L		10		SW8270C	10/08/08 21:51 / dsm
n-Nitrosodimethylamine	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
n-Nitroso-di-n-butylamine	ND	ug/L		10		SW8270C	10/08/08 21:51 / dsm
n-Nitroso-di-n-propylamine	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
n-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
n-Nitrosomethylethylamine	ND	ug/L		10		SW8270C	10/08/08 21:51 / dsm
n-Nitrosomorpholine	ND	ug/L		10		SW8270C	10/08/08 21:51 / dsm
n-Nitrosopiperidine	ND	ug/L		10		SW8270C	10/08/08 21:51 / dsm
n-Nitrosopyrrolidine	ND	ug/L		10		SW8270C	10/08/08 21:51 / dsm
o,o,o-Triethyl phosphorothioate	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
o-Cresol	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
o-Toluidine	ND	ug/L		10		SW8270C	10/08/08 21:51 / dsm
p-(dimethylamino)Azobenzene	ND	ug/L		10		SW8270C	10/08/08 21:51 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08092749-004
Client Sample ID: BSB-GW-01

Report Date: 10/21/08
Collection Date: 09/26/08 12:15
DateReceived: 09/30/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Parathion	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
p-Chloroaniline	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Pentachlorobenzene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Pentachloronitrobenzene	ND	ug/L		10		SW8270C	10/08/08 21:51 / dsm
Pentachlorophenol	ND	ug/L		50		SW8270C	10/07/08 20:49 / dsm
Phenacetin	ND	ug/L		10		SW8270C	10/08/08 21:51 / dsm
Phenanthrene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Phenol	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Phorate	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Pronamide	ND	ug/L		10		SW8270C	10/08/08 21:51 / dsm
Pyrene	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Pyridine	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Safrole	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Sulfotep	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Thionazin	ND	ug/L		10		SW8270C	10/07/08 20:49 / dsm
Surr: 2,4,6-Tribromophenol	49.0	%REC		21-130		SW8270C	10/07/08 20:49 / dsm
Surr: 2-Fluorobiphenyl	47.0	%REC		28-107		SW8270C	10/07/08 20:49 / dsm
Surr: 2-Fluorophenol	27.0	%REC		20-56		SW8270C	10/07/08 20:49 / dsm
Surr: Nitrobenzene-d5	46.0	%REC		32-94		SW8270C	10/07/08 20:49 / dsm
Surr: Phenol-d5	22.0	%REC		19-45		SW8270C	10/07/08 20:49 / dsm
Surr: Terphenyl-d14	56.0	%REC		32-122		SW8270C	10/07/08 20:49 / dsm
HERBICIDES, CHLORINATED							
2,4-D	ND	ug/L		1.0		SW8151A	10/07/08 22:55 / ldw
Dinoseb	ND	ug/L		1.0		SW8151A	10/07/08 22:55 / ldw
2,4,5-T	ND	ug/L		0.20		SW8151A	10/07/08 22:55 / ldw
2,4,5-TP (Silvex)	ND	ug/L		0.20		SW8151A	10/07/08 22:55 / ldw
Surr: DCAA	74.0	%REC		57-125		SW8151A	10/07/08 22:55 / ldw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08092749-005
Client Sample ID: Trip Blank Lot082808 B-HC SHP0237

Report Date: 10/21/08
Collection Date: 09/26/08 10:15
DateReceived: 09/30/08
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	10/03/08 16:19 / sbd
Acetonitrile	ND	ug/L		20		SW8260B	10/03/08 16:19 / sbd
Acrolein	ND	ug/L		20		SW8260B	10/03/08 16:19 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	10/03/08 16:19 / sbd
Allyl chloride	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
Benzene	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
Chloroprene	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
Ethyl methacrylate	0.13	ug/L	J	1.0		SW8260B	10/03/08 16:19 / sbd
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	10/03/08 16:19 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
Isobutanol	ND	ug/L		50		SW8260B	10/03/08 16:19 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08092749-005
Client Sample ID: Trip Blank Lot082808 B-HC SHP0237

Report Date: 10/21/08
Collection Date: 09/26/08 10:15
DateReceived: 09/30/08
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Methacrylonitrile	ND	ug/L		20		SW8260B	10/03/08 16:19 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/03/08 16:19 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	10/03/08 16:19 / sbd
Methyl methacrylate	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
Naphthalene	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
Pentachloroethane	ND	ug/L		2.0		SW8260B	10/03/08 16:19 / sbd
Propionitrile	ND	ug/L		20		SW8260B	10/03/08 16:19 / sbd
Styrene	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
Toluene	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	10/03/08 16:19 / sbd
Surr: 1,2-Dichloroethane-d4	96.0	%REC		70-130		SW8260B	10/03/08 16:19 / sbd
Surr: Dibromofluoromethane	102	%REC		77-126		SW8260B	10/03/08 16:19 / sbd
Surr: p-Bromofluorobenzene	108	%REC		76-127		SW8260B	10/03/08 16:19 / sbd
Surr: Toluene-d8	97.0	%REC		79-122		SW8260B	10/03/08 16:19 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/14/08
Work Order: B08092749

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2510 B								Batch: PHSC080930A	
Sample ID: PHC1080722A	Laboratory Control Sample				Run: ORION555A_080930A			09/30/08 08:38	
Conductivity	154	umhos/cm	1.0	103	90	110			
Sample ID: PHC1071220B	Laboratory Control Sample				Run: ORION555A_080930A			09/30/08 08:39	
Conductivity	5060	umhos/cm	1.0	101	90	110			
Sample ID: PHC1080505C	Laboratory Control Sample				Run: ORION555A_080930A			09/30/08 08:40	
Conductivity	20000	umhos/cm	1.0	100	90	110			
Sample ID: B08092749-001ADUP	Sample Duplicate				Run: ORION555A_080930A			09/30/08 16:13	
Conductivity	473	umhos/cm	1.0				0.2	10	
Method: A4500 H								Batch: PHSC080930A	
Sample ID: PHC1080722D	Laboratory Control Sample				Run: ORION555A_080930A			09/30/08 08:45	
pH	3.98	s.u.	0.10	100	97	103			
Sample ID: PHC1080722E	Laboratory Control Sample				Run: ORION555A_080930A			09/30/08 08:45	
pH	6.97	s.u.	0.10	100	98	102			
Sample ID: B08092749-001ADUP	Sample Duplicate				Run: ORION555A_080930A			09/30/08 16:19	
pH	6.94	s.u.	0.10				0.4	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/14/08
Work Order: B08092749

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0								Analytical Run: IC202-B_080928A	
Sample ID: ICV	Initial Calibration Verification Standard							09/28/08 16:50	
Chloride	24.2	mg/L	1.0	97	90	110			
Sulfate	98.6	mg/L	1.0	99	90	110			
Method: E300.0								Batch: R118282	
Sample ID: ICB	Method Blank				Run: IC202-B_080928A			09/28/08 17:01	
Chloride	0.1	mg/L	0.03						
Sulfate	0.4	mg/L	0.06						
Sample ID: LFB	Laboratory Fortified Blank				Run: IC202-B_080928A			09/28/08 17:13	
Chloride	9.66	mg/L	1.0	95	90	110			
Sulfate	39.0	mg/L	1.0	96	90	110			
Sample ID: B08092727-001AMS	Sample Matrix Spike				Run: IC202-B_080928A			10/03/08 09:45	
Chloride	205	mg/L	1.0		90	110			A
Sulfate	123	mg/L	1.0	99	90	110			
Sample ID: B08092727-001AMSD	Sample Matrix Spike Duplicate				Run: IC202-B_080928A			10/03/08 09:56	
Chloride	205	mg/L	1.0		90	110	0	20	A
Sulfate	124	mg/L	1.0	100	90	110	0.9	20	
Sample ID: B08092786-001AMS	Sample Matrix Spike				Run: IC202-B_080928A			10/03/08 12:27	
Chloride	64.4	mg/L	1.0	99	90	110			
Sulfate	190	mg/L	1.0	104	90	110			
Sample ID: B08092786-001AMSD	Sample Matrix Spike Duplicate				Run: IC202-B_080928A			10/03/08 12:39	
Chloride	64.6	mg/L	1.0	100	90	110	0.3	20	
Sulfate	191	mg/L	1.0	105	90	110	0.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/14/08
Work Order: B08092749

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0								Analytical Run: IC202-B_081007A	
Sample ID: ICV	Initial Calibration Verification Standard							10/07/08 13:00	
Sulfate	99.3	mg/L	1.0	99	90	110			
Method: E300.0								Batch: R118840	
Sample ID: ICB	Method Blank				Run: IC202-B_081007A			10/07/08 13:11	
Sulfate	ND	mg/L	0.06						
Sample ID: LFB	Laboratory Fortified Blank				Run: IC202-B_081007A			10/07/08 13:23	
Sulfate	37.8	mg/L	1.0	94	90	110			
Sample ID: B08100438-001AMS	Sample Matrix Spike				Run: IC202-B_081007A			10/07/08 13:46	
Sulfate	247	mg/L	1.0	101	90	110			
Sample ID: B08100438-001AMSD	Sample Matrix Spike Duplicate				Run: IC202-B_081007A			10/07/08 13:58	
Sulfate	248	mg/L	1.0	102	90	110	0.3	20	
Method: E353.2								Analytical Run: FIA203-B_081002A	
Sample ID: ICV	Initial Calibration Verification Standard							10/02/08 11:35	
Nitrogen, Nitrate+Nitrite as N	37.1	mg/L	0.050	105	90	110			
Method: E353.2								Batch: R118534	
Sample ID: MBLK	Method Blank				Run: FIA203-B_081002A			10/02/08 11:36	
Nitrogen, Nitrate+Nitrite as N	0.003	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: FIA203-B_081002A			10/02/08 11:37	
Nitrogen, Nitrate+Nitrite as N	1.02	mg/L	0.050	104	90	110			
Sample ID: B08092749-001BMS	Sample Matrix Spike				Run: FIA203-B_081002A			10/02/08 13:46	
Nitrogen, Nitrate+Nitrite as N	1.43	mg/L	0.050	106	90	110			
Sample ID: B08092749-001BMSD	Sample Matrix Spike Duplicate				Run: FIA203-B_081002A			10/02/08 13:47	
Nitrogen, Nitrate+Nitrite as N	1.42	mg/L	0.050	105	90	110	0.6	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/14/08
Work Order: B08092749

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4									Batch: R118489
Sample ID: MB-R118489	Method Blank				Run: MISC-WC_081001L				10/01/08 10:00
Oxygen Demand, Chemical (COD)	ND	mg/L	1						
Sample ID: LCS-R118489	Laboratory Control Sample				Run: MISC-WC_081001L				10/01/08 10:00
Oxygen Demand, Chemical (COD)	108	mg/L	1.0	93	90	110			
Sample ID: B08092749-001BMS	Sample Matrix Spike				Run: MISC-WC_081001L				10/01/08 10:00
Oxygen Demand, Chemical (COD)	25.0	mg/L	1.0	102	90	110			
Sample ID: B08092749-001BMSD	Sample Matrix Spike Duplicate				Run: MISC-WC_081001L				10/01/08 10:00
Oxygen Demand, Chemical (COD)	25.7	mg/L	1.0	105	90	110	2.8	10	
Sample ID: LFB	Laboratory Fortified Blank				Run: MISC-WC_081001L				10/01/08 10:00
Oxygen Demand, Chemical (COD)	22.6	mg/L	1.0	93	90	110			
Method: Kelada mod									Batch: 35169
Sample ID: LCS-5	Laboratory Control Sample				Run: AUTOAN201-B_081009A				10/09/08 16:32
Cyanide, Total	0.108	mg/L	0.0050	108	90	110			
Sample ID: MBLK-7	Method Blank				Run: AUTOAN201-B_081009A				10/09/08 16:36
Cyanide, Total	ND	mg/L	0.003						
Sample ID: B08100803-003CMS	Sample Matrix Spike				Run: AUTOAN201-B_081010A				10/10/08 15:44
Cyanide, Total	0.0938	mg/L	0.0050	94	90	110			
Sample ID: B08100803-003CMSD	Sample Matrix Spike Duplicate				Run: AUTOAN201-B_081010A				10/10/08 15:46
Cyanide, Total	0.0958	mg/L	0.0050	96	90	110			
Method: Kelada mod									Analytical Run: AUTOAN201-B_081001A
Sample ID: ICV-1	Initial Calibration Verification Standard								10/01/08 09:52
Cyanide, Total	0.149	mg/L	0.0050	99	90	110			
Method: Kelada mod									Batch: R118483
Sample ID: LFB-2	Laboratory Fortified Blank				Run: AUTOAN201-B_081001A				10/01/08 09:54
Cyanide, Total	0.107	mg/L	0.0050	107	90	110			
Sample ID: MBLK-3	Method Blank				Run: AUTOAN201-B_081001A				10/01/08 09:55
Cyanide, Total	ND	mg/L	0.003						
Sample ID: B08092749-001CMS	Sample Matrix Spike				Run: AUTOAN201-B_081001A				10/01/08 11:44
Cyanide, Total	0.106	mg/L	0.0050	106	90	110			
Sample ID: B08092749-001CMSD	Sample Matrix Spike Duplicate				Run: AUTOAN201-B_081001A				10/01/08 11:45
Cyanide, Total	0.107	mg/L	0.0050	107	90	110			

Qualifiers:

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ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/14/08
Work Order: B08092749

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: Kelada mod								Analytical Run: AUTOAN201-B_081010A	
Sample ID: ICV-1	Initial Calibration Verification Standard								10/10/08 15:16
Cyanide, Total	0.158	mg/L	0.0050	105	90	110			

Qualifiers:
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ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/14/08
Work Order: B08092749

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Analytical Run: ICP201-B_081001A	
Sample ID: ICV	Continuing Calibration Verification Standard							10/01/08 11:19	
Barium	2.62	mg/L	0.10	105	95	105			
Beryllium	1.29	mg/L	0.010	103	95	105			
Chromium	2.54	mg/L	0.050	102	95	105			
Copper	2.50	mg/L	0.010	100	95	105			
Iron	2.49	mg/L	0.030	100	95	105			
Nickel	2.55	mg/L	0.050	102	95	105			
Vanadium	2.50	mg/L	0.10	100	95	105			
Zinc	2.51	mg/L	0.010	100	95	105			
Method: E200.7								Batch: R118504	
Sample ID: MB-TJADIS081001A	Method Blank				Run: ICP201-B_081001A			10/01/08 11:45	
Barium	0.001	mg/L	0.0002						
Beryllium	ND	mg/L	0.0002						
Chromium	ND	mg/L	0.004						
Copper	ND	mg/L	0.007						
Iron	ND	mg/L	0.005						
Nickel	ND	mg/L	0.004						
Vanadium	ND	mg/L	0.006						
Zinc	0.002	mg/L	0.001						
Sample ID: LFB-TJADIS081001A	Laboratory Fortified Blank				Run: ICP201-B_081001A			10/01/08 11:49	
Barium	1.08	mg/L	0.10	108	85	115			
Beryllium	0.517	mg/L	0.010	103	85	115			
Chromium	0.991	mg/L	0.050	99	85	115			
Copper	1.00	mg/L	0.010	100	85	115			
Iron	4.97	mg/L	0.030	99	85	115			
Nickel	1.03	mg/L	0.050	103	85	115			
Vanadium	0.998	mg/L	0.10	100	85	115			
Zinc	1.01	mg/L	0.010	101	85	115			
Sample ID: B08092782-007CMS2	Sample Matrix Spike				Run: ICP201-B_081001A			10/01/08 16:08	
Barium	2.34	mg/L	0.10	107	70	130			
Beryllium	1.03	mg/L	0.0010	103	70	130			
Chromium	1.96	mg/L	0.010	98	70	130			
Copper	2.03	mg/L	0.014	101	70	130			
Iron	9.97	mg/L	0.030	99	70	130			
Nickel	2.01	mg/L	0.010	101	70	130			
Vanadium	1.97	mg/L	0.10	99	70	130			
Zinc	2.00	mg/L	0.010	99	70	130			
Sample ID: B08092782-007CMSD2	Sample Matrix Spike Duplicate				Run: ICP201-B_081001A			10/01/08 16:11	
Barium	2.35	mg/L	0.10	108	70	130	0.7	20	
Beryllium	1.03	mg/L	0.0010	103	70	130	0.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: [illegible]
Project: [illegible]

Report Date: 10/14/06
Work Order: [illegible]

Analyte	Result	Units	Dil.	Subcl.	Low Limit	High Limit	RPD	Date
Method: [illegible]								Analyzed: [illegible]
Sample ID: ICV				Continuing Calib Verification Standard				10/14/06 11:16
Boron	[illegible]	mg/L			[illegible]	105	90	105
Beryllium	[illegible]	mg/L			[illegible]	103	90	[illegible]
Chromium	[illegible]	mg/L			[illegible]	102	90	[illegible]
Copper	[illegible]	mg/L			[illegible]	100	90	[illegible]
Iron	[illegible]	mg/L			[illegible]	100	90	[illegible]
Nickel	[illegible]	mg/L			[illegible]	102	90	[illegible]
Vanadium	[illegible]	mg/L			[illegible]	101	90	105
Zinc	[illegible]	mg/L			[illegible]	100	90	105
Method: [illegible]								Block [illegible]
Sample ID: [illegible]				Method Blank				Run [illegible] 10/14/06 11:18
Silver	[illegible]	mg/L				[illegible]		
Beryllium	[illegible]	mg/L				[illegible]		
Chromium	[illegible]	mg/L				[illegible]		
Copper	[illegible]	mg/L				[illegible]		
Iron	[illegible]	mg/L				[illegible]		
Nickel	[illegible]	mg/L				[illegible]		
Vanadium	[illegible]	mg/L				[illegible]		
Zinc	[illegible]	mg/L				[illegible]		
Sample ID: [illegible]				Laboratory Control Sample				Run [illegible] 10/14/06 11:20
Boron	[illegible]	mg/L			[illegible]	100	80	115
Beryllium	[illegible]	mg/L			[illegible]	100	80	[illegible]
Chromium	[illegible]	mg/L			[illegible]	100	80	[illegible]
Copper	[illegible]	mg/L			[illegible]	100	80	115
Iron	[illegible]	mg/L			[illegible]	100	80	115
Nickel	[illegible]	mg/L			[illegible]	100	80	115
Vanadium	[illegible]	mg/L			[illegible]	100	80	115
Zinc	[illegible]	mg/L			[illegible]	100	80	115
Sample ID: [illegible]				Sample Matrix Spike				Run [illegible] 10/14/06 12:02
Boron	[illegible]	mg/L			[illegible]	107	70	130
Beryllium	[illegible]	mg/L			[illegible]	102	70	130
Chromium	[illegible]	mg/L			[illegible]	101	70	130
Copper	[illegible]	mg/L			[illegible]	101	70	130
Iron	[illegible]	mg/L			[illegible]	101	70	130
Nickel	[illegible]	mg/L			[illegible]	101	70	130
Vanadium	[illegible]	mg/L			[illegible]	99	70	130
Zinc	[illegible]	mg/L			[illegible]	99	70	130
Sample ID: [illegible]				Sample Matrix Spike Duplicate				Run [illegible] 10/14/06 12:04
Boron	[illegible]	mg/L			[illegible]	100	70	130 [illegible] 20
Beryllium	[illegible]	mg/L			[illegible]	103	70	130 [illegible] 20

Qualifiers:
[illegible] - Analyte detected in the associated blank.
[illegible] - Not a Reported value.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/14/08
Work Order: B08092749

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: R118504	
Sample ID: B08092782-007CMSD2	Sample Matrix Spike Duplicate				Run: ICP201-B_081001A			10/01/08 16:11	
Chromium	1.97	mg/L	0.010	98	70	130	0.6	20	
Copper	2.04	mg/L	0.014	101	70	130	0.6	20	
Iron	10.1	mg/L	0.030	100	70	130	0.9	20	
Nickel	2.03	mg/L	0.010	101	70	130	0.6	20	
Vanadium	2.00	mg/L	0.10	100	70	130	1.3	20	
Zinc	2.01	mg/L	0.010	100	70	130	0.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/14/08
Work Order: B08092749

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Analytical Run: ICPMS203-B_081003A	
Sample ID: QCS-080514A, 080814B,	Initial Calibration Verification Standard							10/03/08 09:57	
Antimony	0.0501	mg/L	0.050	100	90	110			
Arsenic	0.0495	mg/L	0.0050	99	90	110			
Cadmium	0.0260	mg/L	0.0010	104	90	110			
Lead	0.0497	mg/L	0.010	99	90	110			
Selenium	0.0508	mg/L	0.0050	102	90	110			
Silver	0.0255	mg/L	0.0050	102	90	110			
Thallium	0.0502	mg/L	0.10	100	90	110			
Method: E200.8								Batch: R118685	
Sample ID: LRB	Method Blank				Run: ICPMS203-B_081003A			10/03/08 10:24	
Antimony	ND	mg/L	4E-06						
Arsenic	ND	mg/L	4E-05						
Cadmium	ND	mg/L	3E-06						
Lead	ND	mg/L	3E-06						
Selenium	ND	mg/L	0.0001						
Silver	ND	mg/L	7E-06						
Thallium	1E-05	mg/L	4E-06						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS203-B_081003A			10/03/08 10:30	
Antimony	0.0486	mg/L	0.050	97	85	115			
Arsenic	0.0489	mg/L	0.0050	98	85	115			
Cadmium	0.0485	mg/L	0.0010	97	85	115			
Lead	0.0493	mg/L	0.010	99	85	115			
Selenium	0.0487	mg/L	0.0050	97	85	115			
Silver	0.0193	mg/L	0.0050	96	85	115			
Thallium	0.0497	mg/L	0.10	99	85	115			
Sample ID: B08092667-011BMS	Sample Matrix Spike				Run: ICPMS203-B_081003A			10/03/08 16:56	
Antimony	0.0501	mg/L	0.0050	100	70	130			
Arsenic	0.0492	mg/L	0.0050	98	70	130			
Cadmium	0.0476	mg/L	0.0010	95	70	130			
Lead	0.0494	mg/L	0.010	99	70	130			
Selenium	0.0488	mg/L	0.0050	97	70	130			
Silver	0.0271	mg/L	0.0050	136	70	130			S
Thallium	0.0492	mg/L	0.0050	98	70	130			
Sample ID: B08092667-011BMSD	Sample Matrix Spike Duplicate				Run: ICPMS203-B_081003A			10/03/08 17:03	
Antimony	0.0499	mg/L	0.0050	100	70	130	0.2	20	
Arsenic	0.0498	mg/L	0.0050	99	70	130	1.1	20	
Cadmium	0.0483	mg/L	0.0010	96	70	130	1.4	20	
Lead	0.0489	mg/L	0.010	98	70	130	1	20	
Selenium	0.0503	mg/L	0.0050	100	70	130	3.1	20	
Silver	0.0157	mg/L	0.0050	79	70	130	53	20	R

Qualifiers:

RL - Analyte reporting limit.
R - RPD exceeds advisory limit.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/14/08
Work Order: B08092749

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R118685
Sample ID: B08092667-011BMSD	Sample Matrix Spike Duplicate				Run: ICPMS203-B_081003A				10/03/08 17:03
Thallium	0.0491	mg/L	0.0050	98	70	130	0.2	20	
Method: E200.8									Analytical Run: ICPMS203-B_081006A
Sample ID: QCS-080514A, 080814B,	Initial Calibration Verification Standard								10/06/08 10:56
Mercury	0.00200	mg/L	0.0010	100	90	110			
Method: E200.8									Batch: R118725
Sample ID: LRB	Method Blank				Run: ICPMS203-B_081006A				10/06/08 12:05
Mercury	3E-05	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS203-B_081006A				10/06/08 12:12
Mercury	0.00105	mg/L	0.0010	102	85	115			
Sample ID: B08092677-012BMS	Sample Matrix Spike				Run: ICPMS203-B_081006A				10/06/08 15:44
Mercury	0.00980	mg/L	0.0010	94	70	130			
Sample ID: B08092677-012BMSD	Sample Matrix Spike Duplicate				Run: ICPMS203-B_081006A				10/06/08 15:50
Mercury	0.0101	mg/L	0.0010	97	70	130	3	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/06/08
Work Order: B08092749

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R118662
Sample ID: lcs100308	Laboratory Control Sample				Run: 5971A.I_081003A				10/03/08 12:08
Acetone	36.8	ug/L	20	74	62	130			
Acetonitrile	39.1	ug/L	20	78	54	142			
Acrolein	30.8	ug/L	20	62	22	203			
Acrylonitrile	41.2	ug/L	20	82	60	130			
Benzene	4.72	ug/L	1.0	94	71	133			
Bromochloromethane	4.80	ug/L	1.0	96	68	131			
Bromodichloromethane	4.80	ug/L	1.0	96	67	138			
Bromoform	4.84	ug/L	1.0	97	64	136			
Bromomethane	5.24	ug/L	1.0	105	60	138			
Carbon disulfide	4.52	ug/L	1.0	90	46	145			
Carbon tetrachloride	4.88	ug/L	1.0	98	61	144			
Chlorobenzene	5.12	ug/L	1.0	102	78	136			
Chlorodibromomethane	5.00	ug/L	1.0	100	72	136			
Chloroethane	4.72	ug/L	1.0	94	64	136			
Chloroform	4.68	ug/L	1.0	94	69	133			
Chloromethane	4.64	ug/L	1.0	93	63	149			
1,2-Dibromo-3-chloropropane	4.08	ug/L	1.0	82	63	125			
1,2-Dibromoethane	4.80	ug/L	1.0	96	75	131			
Dibromomethane	4.80	ug/L	1.0	96	72	133			
1,2-Dichlorobenzene	4.64	ug/L	1.0	93	78	129			
1,3-Dichlorobenzene	4.72	ug/L	1.0	94	79	132			
1,4-Dichlorobenzene	4.72	ug/L	1.0	94	78	131			
trans-1,4-Dichloro-2-butene	4.92	ug/L	1.0	98	50	142			
Dichlorodifluoromethane	6.00	ug/L	1.0	120	55	141			
1,1-Dichloroethane	4.68	ug/L	1.0	94	72	130			
1,2-Dichloroethane	4.56	ug/L	1.0	91	57	146			
1,1-Dichloroethene	4.60	ug/L	1.0	92	66	142			
cis-1,2-Dichloroethene	4.56	ug/L	1.0	91	74	133			
trans-1,2-Dichloroethene	4.84	ug/L	1.0	97	76	138			
1,2-Dichloropropane	4.84	ug/L	1.0	97	72	135			
1,3-Dichloropropane	4.92	ug/L	1.0	98	75	134			
2,2-Dichloropropane	5.12	ug/L	1.0	102	42	167			
1,1-Dichloropropene	4.92	ug/L	1.0	98	72	140			
cis-1,3-Dichloropropene	5.08	ug/L	1.0	102	75	132			
trans-1,3-Dichloropropene	5.32	ug/L	1.0	106	77	145			
Ethylbenzene	4.96	ug/L	1.0	99	78	131			
Ethyl methacrylate	4.84	ug/L	1.0	97	54	133			
Hexachlorobutadiene	4.68	ug/L	1.0	94	65	141			
2-Hexanone	39.7	ug/L	20	79	72	131			
Iodomethane	4.96	ug/L	1.0	99	66	132			
Methacrylonitrile	47.2	ug/L	20	94	68	122			
Methyl ethyl ketone	36.0	ug/L	20	72	55	145			
Methyl isobutyl ketone	39.1	ug/L	20	78	73	129			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/06/08
Work Order: B08092749

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R118662
Sample ID: lcs100308	Laboratory Control Sample				Run: 5971A.I_081003A				10/03/08 12:08
Methyl methacrylate	5.00	ug/L	1.0	100	77	113			
Methylene chloride	4.48	ug/L	1.0	90	73	126			
Naphthalene	3.96	ug/L	1.0	79	55	139			
Propionitrile	44.4	ug/L	20	89	52	143			
Styrene	4.96	ug/L	1.0	99	76	134			
1,1,1,2-Tetrachloroethane	4.88	ug/L	1.0	98	75	135			
1,1,2,2-Tetrachloroethane	4.56	ug/L	1.0	91	72	132			
Tetrachloroethene	5.00	ug/L	1.0	100	78	137			
Toluene	5.04	ug/L	1.0	101	78	134			
1,2,4-Trichlorobenzene	4.24	ug/L	1.0	85	58	142			
1,1,1-Trichloroethane	4.68	ug/L	1.0	94	64	141			
1,1,2-Trichloroethane	4.88	ug/L	1.0	98	72	133			
Trichloroethene	4.92	ug/L	1.0	98	75	138			
Trichlorofluoromethane	4.68	ug/L	1.0	94	58	139			
1,2,3-Trichloropropane	4.04	ug/L	1.0	81	67	133			
Vinyl acetate	4.56	ug/L	1.0	91	31	124			
Vinyl chloride	5.60	ug/L	1.0	112	66	140			
m+p-Xylenes	9.92	ug/L	1.0	99	78	133			
o-Xylene	5.12	ug/L	1.0	102	79	136			
Surr: 1,2-Dichloroethane-d4			1.0	95	70	130			
Surr: Dibromofluoromethane			1.0	100	77	126			
Surr: p-Bromofluorobenzene			1.0	100	76	127			
Surr: Toluene-d8			1.0	107	79	122			
Sample ID: lcsa100308	Laboratory Control Sample				Run: 5971A.I_081003A				10/03/08 12:45
Allyl chloride	1.76	ug/L	1.0	70	68	126			
Chloroprene	5.88	ug/L	1.0	118	68	120			
Isobutanol	115	ug/L	50	92	71	137			
Pentachloroethane	6.48	ug/L	1.0	130	42	135			
Surr: 1,2-Dichloroethane-d4			1.0	97	70	130			
Surr: Dibromofluoromethane			1.0	103	77	126			
Surr: p-Bromofluorobenzene			1.0	105	76	127			
Surr: Toluene-d8			1.0	101	79	122			
Sample ID: blk100308	Method Blank				Run: 5971A.I_081003A				10/03/08 13:21
Acetone	ND	ug/L	20						
Acetonitrile	ND	ug/L	20						
Acrolein	ND	ug/L	20						
Acrylonitrile	ND	ug/L	20						
Allyl chloride	ND	ug/L	1.0						
Benzene	ND	ug/L	1.0						
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/06/08
Work Order: B08092749

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R118662
Sample ID: blk100308	Method Blank				Run: 5971A.I_081003A				10/03/08 13:21
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
Carbon disulfide	ND	ug/L	1.0						
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
Chloroprene	ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
1,2-Dibromoethane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						
1,2-Dichlorobenzene	ND	ug/L	1.0						
1,3-Dichlorobenzene	ND	ug/L	1.0						
1,4-Dichlorobenzene	ND	ug/L	1.0						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0						
Dichlorodifluoromethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						
1,2-Dichloroethane	ND	ug/L	1.0						
1,1-Dichloroethene	ND	ug/L	1.0						
cis-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						
1,2-Dichloropropane	ND	ug/L	1.0						
1,3-Dichloropropane	ND	ug/L	1.0						
2,2-Dichloropropane	ND	ug/L	1.0						
1,1-Dichloropropene	ND	ug/L	1.0						
cis-1,3-Dichloropropene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						
Ethylbenzene	ND	ug/L	1.0						
Ethyl methacrylate	ND	ug/L	1.0						
Hexachlorobutadiene	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						
Iodomethane	ND	ug/L	1.0						
Isobutanol	ND	ug/L	50						
Methacrylonitrile	ND	ug/L	20						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methyl methacrylate	ND	ug/L	1.0						
Methylene chloride	ND	ug/L	1.0						
Naphthalene	ND	ug/L	1.0						
Pentachloroethane	ND	ug/L	1.0						
Propionitrile	ND	ug/L	20						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/06/08
Work Order: B08092749

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R118662
Sample ID: blk100308	Method Blank				Run: 5971A.I_081003A				10/03/08 13:21
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,2,4-Trichlorobenzene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Xylenes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	95	70	130			
Surr: Dibromofluoromethane			1.0	100	77	126			
Surr: p-Bromofluorobenzene			1.0	104	76	127			
Surr: Toluene-d8			1.0	104	79	122			
Sample ID: B08092749-001Fms	Sample Matrix Spike				Run: 5971A.I_081003A				10/03/08 16:53
Acetone	73.7	ug/L	40	74	62	130			
Acetonitrile	34.7	ug/L	40	35	54	142			S
Acrolein	45.6	ug/L	40	46	22	203			
Acrylonitrile	64.9	ug/L	40	65	60	130			
Allyl chloride	3.44	ug/L	2.0	69	68	126			
Benzene	9.60	ug/L	2.0	96	71	133			
Bromochloromethane	9.28	ug/L	2.0	93	68	131			
Bromodichloromethane	8.96	ug/L	2.0	90	67	138			
Bromoform	8.96	ug/L	2.0	90	64	136			
Bromomethane	10.2	ug/L	2.0	102	60	138			
Carbon disulfide	9.36	ug/L	2.0	94	46	146			
Carbon tetrachloride	9.84	ug/L	2.0	98	61	144			
Chlorobenzene	9.12	ug/L	2.0	91	78	136			
Chlorodibromomethane	9.20	ug/L	2.0	92	72	136			
Chloroethane	9.52	ug/L	2.0	95	64	136			
Chloroform	9.68	ug/L	2.0	97	69	133			
Chloromethane	10.3	ug/L	2.0	103	63	149			
Chloroprene	9.60	ug/L	2.0	96	68	120			
1,2-Dibromo-3-chloropropane	8.24	ug/L	2.0	82	63	125			
1,2-Dibromoethane	8.96	ug/L	2.0	90	75	131			
Dibromomethane	9.12	ug/L	2.0	91	72	133			

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

QAQC Summary Report

Client: Tilcon New York Inc. - Stony Point Quarry

Project: CQ Laboratory

Report Date: 10/05/06

Work Order: 2006/05/10

Analyte	Result	Units	%	MDEC	Low Limit	High Limit	Prep Method	Date
Method:	EPA8260B						Batch: 6170262	
Sample ID:	6170262-BS1						Run: 5971A_060210-1	10/02/06 17:21
Benzene	10	ug/L		1.0				
Bromobenzene	10	ug/L		1.0				
1,1,1,2-Tetrachloroethane	10	ug/L		1.0				
1,1,2,2-Tetrachloroethane	10	ug/L		1.0				
Bromodichloromethane	10	ug/L		1.0				
Bromoform	10	ug/L		1.0				
1,3,5-Trimethylbenzene	10	ug/L		1.0				
1,1,1-Trichloroethane	10	ug/L		1.0				
1,1,2-Trichloroethane	10	ug/L		1.0				
1,1-Dichloroethane	10	ug/L		1.0				
Trichloroethene	10	ug/L		1.0				
Trichlorofluoromethane	10	ug/L		1.0				
1,2,3-Trichlorobenzene	10	ug/L		1.0				
Vinyl acetate	10	ug/L		1.0				
Vinyl chloride	10	ug/L		1.0				
m-Xylene	10	ug/L		1.0				
o-Xylene	10	ug/L		1.0				
Xylenes, Total	20	ug/L		1.0				
Surr: 1,2-Dichloroethane-d4			1.0		80	120		
Surr: Dibromofluoromethane			1.0		109	122		
Surr: p-Bromofluorobenzene			1.0		109	118		
Surr: Toluene-d8			1.0		104	120		
Sample ID:	6060512-01A						Run: 6971A_061002A	10/02/06 18:00
Acetone	10.7	ug/L		10	74	130		
Acrylonitrile	34.7	ug/L		10	70	142		
Acrylonitrile	12.8	ug/L		10	68	142		
Acrylonitrile	84.2	ug/L		10	70	130		
Acrylonitrile	34.4	ug/L		10	70	130		
Allylchloride	2.0	ug/L		2.0	68	124		
Benzene	2.0	ug/L		2.0	68	127		
Bromobenzene	2.0	ug/L		2.0	67	122		
Bromochloromethane	2.0	ug/L		2.0	70	128		
Bromodichloromethane	2.0	ug/L		2.0	70	128		
Bromoform	2.0	ug/L		2.0	70	128		
Bromomethane	2.0	ug/L		2.0	74	130		
Carbon disulfide	10.2	ug/L		2.0	70	128		
Carbon tetrachloride	9.24	ug/L		2.0	68	146		
Chloro-2-butadiene	9.61	ug/L		2.0	66	144		
Chlorobenzene	9.19	ug/L		2.0	71	126		
Chlorodibromomethane	8.76	ug/L		2.0	72	128		
Chloroethane	9.91	ug/L		2.0	64	136		
Chloroform	9.68	ug/L		2.0	68	132		
Chloromethane	10.3	ug/L		2.0	60	140		
Chloroprene	9.61	ug/L		2.0	60	128		
1-Chlorobutane	8.24	ug/L		2.0	62	132		
2-Chlorobutane	8.88	ug/L		2.0	73	131		
Dibromomethane	9.72	ug/L		2.0	72	132		

Continued ...

No - Value outside of the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/06/08
Work Order: B08092749

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R118662
Sample ID: B08092749-001Fms	Sample Matrix Spike				Run: 5971A.I_081003A				10/03/08 16:53
1,2-Dichlorobenzene	8.96	ug/L	2.0	90	78	129			
1,3-Dichlorobenzene	9.28	ug/L	2.0	93	79	132			
1,4-Dichlorobenzene	9.20	ug/L	2.0	92	78	132			
trans-1,4-Dichloro-2-butene	9.36	ug/L	2.0	94	50	142			
Dichlorodifluoromethane	12.3	ug/L	2.0	123	55	141			
1,1-Dichloroethane	9.60	ug/L	2.0	96	72	130			
1,2-Dichloroethane	9.52	ug/L	2.0	95	57	146			
1,1-Dichloroethene	9.52	ug/L	2.0	95	66	142			
cis-1,2-Dichloroethene	9.52	ug/L	2.0	93	74	133			
trans-1,2-Dichloroethene	9.68	ug/L	2.0	97	76	138			
1,2-Dichloropropane	8.96	ug/L	2.0	90	72	135			
1,3-Dichloropropane	9.04	ug/L	2.0	90	75	134			
2,2-Dichloropropane	10.5	ug/L	2.0	105	42	167			
1,1-Dichloropropene	9.84	ug/L	2.0	98	72	140			
cis-1,3-Dichloropropene	9.44	ug/L	2.0	94	75	132			
trans-1,3-Dichloropropene	9.76	ug/L	2.0	98	77	145			
Ethylbenzene	9.12	ug/L	2.0	91	78	131			
Ethyl methacrylate	8.64	ug/L	2.0	86	54	133			
Hexachlorobutadiene	9.12	ug/L	2.0	91	65	141			
2-Hexanone	75.5	ug/L	40	76	72	131			
Iodomethane	10.2	ug/L	2.0	102	66	132			
Methacrylonitrile	91.2	ug/L	40	91	36	193			
Methyl ethyl ketone	70.5	ug/L	40	70	55	145			
Methyl isobutyl ketone	70.1	ug/L	40	70	73	129			S
Methyl methacrylate	9.60	ug/L	2.0	96	77	120			
Methylene chloride	9.28	ug/L	2.0	93	73	126			
Naphthalene	7.74	ug/L	2.0	77	55	139			
Pentachloroethane	8.72	ug/L	4.0	87	60	140			
Propionitrile	86.4	ug/L	40	86	52	143			
Styrene	9.28	ug/L	2.0	93	76	134			
1,1,1,2-Tetrachloroethane	8.96	ug/L	2.0	90	75	135			
1,1,2,2-Tetrachloroethane	8.96	ug/L	2.0	90	72	132			
Tetrachloroethene	9.44	ug/L	2.0	94	78	137			
Toluene	9.28	ug/L	2.0	93	78	134			
1,2,4-Trichlorobenzene	7.95	ug/L	2.0	80	58	142			
1,1,1-Trichloroethane	9.60	ug/L	2.0	96	64	141			
1,1,2-Trichloroethane	8.72	ug/L	2.0	87	72	133			
Trichloroethene	9.28	ug/L	2.0	93	75	138			
Trichlorofluoromethane	9.76	ug/L	2.0	98	58	139			
1,2,3-Trichloropropane	8.00	ug/L	2.0	80	67	133			
Vinyl acetate	8.56	ug/L	2.0	86	31	124			
Vinyl chloride	11.5	ug/L	2.0	115	66	140			
m+p-Xylenes	19.1	ug/L	2.0	96	78	133			

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/06/08
Work Order: B08092749

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R118662
Sample ID: B08092749-001Fms	Sample Matrix Spike				Run: 5971A.I_081003A			10/03/08 16:53	
o-Xylene	9.52	ug/L	2.0	95	79	136			
Surr: 1,2-Dichloroethane-d4			2.0	101	70	130			
Surr: Dibromofluoromethane			2.0	104	77	126			
Surr: p-Bromofluorobenzene			2.0	99	76	127			
Surr: Toluene-d8			2.0	101	79	122			
Sample ID: B08092749-001Fmsd	Sample Matrix Spike Duplicate				Run: 5971A.I_081003A			10/03/08 17:28	
Acetone	69.2	ug/L	40	69	62	130	6.3	20	
Acetonitrile	37.8	ug/L	40	38	54	142	0	20	S
Acrolein	56.6	ug/L	40	57	22	203	22	20	R
Acrylonitrile	76.3	ug/L	40	76	60	130	16	20	
Allyl chloride	3.41	ug/L	2.0	68	68	126	0.9	20	
Benzene	10.2	ug/L	2.0	102	71	133	5.7	20	
Bromochloromethane	9.84	ug/L	2.0	98	68	131	5.9	20	
Bromodichloromethane	9.60	ug/L	2.0	96	67	138	6.9	20	
Bromoform	9.20	ug/L	2.0	92	64	136	2.6	20	
Bromomethane	11.3	ug/L	2.0	113	60	138	10	20	
Carbon disulfide	9.36	ug/L	2.0	94	46	146	0	20	
Carbon tetrachloride	10.0	ug/L	2.0	100	61	144	1.6	20	
Chlorobenzene	10.2	ug/L	2.0	102	78	136	11	20	
Chlorodibromomethane	10.1	ug/L	2.0	101	72	136	9.1	20	
Chloroethane	9.60	ug/L	2.0	96	64	136	0.8	20	
Chloroform	9.68	ug/L	2.0	97	69	133	0	20	
Chloromethane	10.5	ug/L	2.0	105	63	149	1.5	20	
Chloroprene	10.5	ug/L	2.0	105	68	120	8.8	20	
1,2-Dibromo-3-chloropropane	8.48	ug/L	2.0	85	63	125	2.9	20	
1,2-Dibromoethane	9.84	ug/L	2.0	98	75	131	9.4	20	
Dibromomethane	9.44	ug/L	2.0	94	72	133	3.4	20	
1,2-Dichlorobenzene	9.36	ug/L	2.0	94	78	129	4.4	20	
1,3-Dichlorobenzene	9.60	ug/L	2.0	96	79	132	3.4	20	
1,4-Dichlorobenzene	9.68	ug/L	2.0	97	78	132	5.1	20	
trans-1,4-Dichloro-2-butene	9.68	ug/L	2.0	97	50	142	3.4	20	
Dichlorodifluoromethane	12.2	ug/L	2.0	122	55	141	0.7	20	
1,1-Dichloroethane	10.0	ug/L	2.0	100	72	130	4.1	20	
1,2-Dichloroethane	9.52	ug/L	2.0	95	57	146	0	20	
1,1-Dichloroethene	9.84	ug/L	2.0	98	66	142	3.3	20	
cis-1,2-Dichloroethene	9.84	ug/L	2.0	96	74	133	3.3	20	
trans-1,2-Dichloroethene	10.6	ug/L	2.0	106	76	138	8.7	20	
1,2-Dichloropropane	9.84	ug/L	2.0	98	72	135	9.4	20	
1,3-Dichloropropane	9.76	ug/L	2.0	98	75	134	7.7	20	
2,2-Dichloropropane	10.8	ug/L	2.0	108	42	167	3	20	
1,1-Dichloropropene	9.92	ug/L	2.0	99	72	140	0.8	20	
cis-1,3-Dichloropropene	10.2	ug/L	2.0	102	75	132	8.1	20	

Qualifiers:

RL - Analyte reporting limit.
R - RPD exceeds advisory limit.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/06/08
Work Order: B08092749

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R118662
Sample ID: B08092749-001Fmsd	Sample Matrix Spike Duplicate				Run: 5971A.I_081003A			10/03/08 17:28	
trans-1,3-Dichloropropene	11.0	ug/L	2.0	110	77	145	12	20	
Ethylbenzene	10.2	ug/L	2.0	102	78	131	11	20	
Ethyl methacrylate	9.68	ug/L	2.0	97	54	133	11	20	
Hexachlorobutadiene	9.84	ug/L	2.0	98	65	141	7.6	20	
2-Hexanone	77.5	ug/L	40	78	72	131	2.6	20	
Iodomethane	10.2	ug/L	2.0	102	66	132	0.8	20	
Methacrylonitrile	95.2	ug/L	40	95	36	193	4.3	20	
Methyl ethyl ketone	67.8	ug/L	40	68	55	145	3.9	20	
Methyl isobutyl ketone	74.3	ug/L	40	74	73	129	5.9	20	
Methyl methacrylate	9.36	ug/L	2.0	94	77	120	2.5	20	
Methylene chloride	9.12	ug/L	2.0	91	73	126	1.7	20	
Naphthalene	8.80	ug/L	2.0	88	55	139	13	20	
Pentachloroethane	10.4	ug/L	4.0	104	60	140	18	20	
Propionitrile	88.8	ug/L	40	89	52	143	2.7	20	
Styrene	10.1	ug/L	2.0	101	76	134	8.3	20	
1,1,1,2-Tetrachloroethane	9.68	ug/L	2.0	97	75	135	7.7	20	
1,1,2,2-Tetrachloroethane	9.20	ug/L	2.0	92	72	132	2.6	20	
Tetrachloroethene	10.6	ug/L	2.0	106	78	137	11	20	
Toluene	10.3	ug/L	2.0	103	78	134	11	20	
1,2,4-Trichlorobenzene	9.28	ug/L	2.0	93	58	142	15	20	
1,1,1-Trichloroethane	9.76	ug/L	2.0	98	64	141	1.7	20	
1,1,2-Trichloroethane	8.80	ug/L	2.0	88	72	133	0.9	20	
Trichloroethene	10.2	ug/L	2.0	102	75	138	9.8	20	
Trichlorofluoromethane	9.92	ug/L	2.0	99	58	139	1.6	20	
1,2,3-Trichloropropane	8.16	ug/L	2.0	82	67	133	2	20	
Vinyl acetate	8.16	ug/L	2.0	82	31	124	4.8	20	
Vinyl chloride	11.8	ug/L	2.0	118	66	140	2.7	20	
m+p-Xylenes	20.5	ug/L	2.0	102	78	133	6.9	20	
o-Xylene	10.3	ug/L	2.0	103	79	136	8.1	20	
Surr: 1,2-Dichloroethane-d4			2.0	98	70	130			
Surr: Dibromofluoromethane			2.0	102	77	126			
Surr: p-Bromofluorobenzene			2.0	101	76	127			
Surr: Toluene-d8			2.0	109	79	122			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/09/08
Work Order: B08092749

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 35019
Sample ID: MB-35019	Method Blank				Run: SV5973.I_081007A				10/07/08 17:44
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10						
1,2,4-Trichlorobenzene	ND	ug/L	10						
1,2-Dichlorobenzene	ND	ug/L	10						
1,3-Dichlorobenzene	ND	ug/L	10						
1,3-Dinitrobenzene	ND	ug/L	10						
1,4-Dichlorobenzene	ND	ug/L	10						
1,4-Naphthoquinone	ND	ug/L	10						
1-Methylnaphthalene	ND	ug/L	10						
2,3,4,6-Tetrachlorophenol	ND	ug/L	10						
2,4,5-Trichlorophenol	ND	ug/L	10						
2,4,6-Trichlorophenol	ND	ug/L	10						
2,4-Dichlorophenol	ND	ug/L	10						
2,4-Dimethylphenol	ND	ug/L	10						
2,4-Dinitrophenol	ND	ug/L	50						
2,4-Dinitrotoluene	ND	ug/L	10						
2,6-Dichlorophenol	ND	ug/L	10						
2,6-Dinitrotoluene	ND	ug/L	10						
2-Acetylaminofluorene	ND	ug/L	10						
2-Chloronaphthalene	ND	ug/L	10						
2-Chlorophenol	ND	ug/L	10						
2-Methylnaphthalene	ND	ug/L	10						
2-Nitroaniline	ND	ug/L	10						
2-Nitrophenol	ND	ug/L	10						
3,3´-Dichlorobenzidine	ND	ug/L	20						
3-Methylcholanthrene	ND	ug/L	10						
3-Nitroaniline	ND	ug/L	10						
4,6-Dinitro-2-methylphenol	ND	ug/L	50						
4-Bromophenyl phenyl ether	ND	ug/L	10						
4-Chloro-2-methylphenol	ND	ug/L	10						
4-Chloro-3-methylphenol	ND	ug/L	10						
4-Chlorophenol	ND	ug/L	10						
4-Chlorophenyl phenyl ether	ND	ug/L	10						
4-Nitroaniline	ND	ug/L	10						
4-Nitrophenol	ND	ug/L	50						
7,12-Dimethylbenz(a)anthracene	ND	ug/L	10						
Acenaphthene	ND	ug/L	10						
Acenaphthylene	ND	ug/L	10						
Aniline	ND	ug/L	10						
Anthracene	ND	ug/L	10						
Aramite	ND	ug/L	10						
Azobenzene	ND	ug/L	10						
Benzidine	ND	ug/L	20						
Benzo(a)anthracene	ND	ug/L	10						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/09/08
Work Order: B08092749

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 35019
Sample ID: MB-35019	Method Blank				Run: SV5973.I_081007A				10/07/08 17:44
Benzo(a)pyrene	ND	ug/L	10						
Benzo(b)fluoranthene	ND	ug/L	10						
Benzo(g,h,i)perylene	ND	ug/L	10						
Benzo(k)fluoranthene	ND	ug/L	10						
Benzyl alcohol	ND	ug/L	10						
bis(-2-chloroethoxy)Methane	ND	ug/L	10						
bis(-2-chloroethyl)Ether	ND	ug/L	10						
bis(2-chloroisopropyl)Ether	ND	ug/L	10						
bis(2-ethylhexyl)Phthalate	ND	ug/L	10						
Butylbenzylphthalate	ND	ug/L	10						
Chlorobenzilate	ND	ug/L	10						
Chrysene	ND	ug/L	10						
Diallate	ND	ug/L	10						
Dibenzo(a,h)anthracene	ND	ug/L	10						
Dibenzofuran	ND	ug/L	10						
Diethyl phthalate	ND	ug/L	10						
Dimethoate	ND	ug/L	10						
Dimethyl phthalate	ND	ug/L	10						
Di-n-butyl phthalate	ND	ug/L	10						
Di-n-octyl phthalate	ND	ug/L	10						
Disulfoton	ND	ug/L	10						
Ethyl methanesulfonate	ND	ug/L	10						
Famphur	ND	ug/L	10						
Fluoranthene	ND	ug/L	10						
Fluorene	ND	ug/L	10						
Hexachlorobenzene	ND	ug/L	10						
Hexachlorobutadiene	ND	ug/L	10						
Hexachlorocyclopentadiene	ND	ug/L	20						
Hexachloroethane	ND	ug/L	10						
Hexachlorophene	ND	ug/L							P
Hexachloropropene	ND	ug/L	10						
Indeno(1,2,3-cd)pyrene	ND	ug/L	10						
Isophorone	ND	ug/L	10						
Isosafrole	ND	ug/L	10						
m+p-Cresols	ND	ug/L	10						
Methapyrilene	ND	ug/L							P
Methyl methanesulfonate	ND	ug/L	10						
Methyl parathion	ND	ug/L	10						
Naphthalene	ND	ug/L	10						
Nitrobenzene	ND	ug/L	10						
n-Nitrosodimethylamine	ND	ug/L	10						
n-Nitroso-di-n-propylamine	ND	ug/L	10						
n-Nitrosodiphenylamine	ND	ug/L	10						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/09/08
Work Order: B08092749

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 35019
Sample ID: MB-35019	Method Blank				Run: SV5973.I_081007A				10/07/08 17:44
o,o,o-Triethyl phosphorothioate	ND	ug/L	10						
o-Cresol	ND	ug/L	10						
Parathion	ND	ug/L	10						
p-Chloroaniline	ND	ug/L	10						
Pentachlorobenzene	ND	ug/L	10						
Pentachlorophenol	ND	ug/L	50						
Phenanthrene	ND	ug/L	10						
Phenol	ND	ug/L	10						
Phorate	ND	ug/L	10						
Pyrene	ND	ug/L	10						
Pyridine	ND	ug/L	10						
Safrole	ND	ug/L	10						
Sulfotep	ND	ug/L	10						
Thionazin	ND	ug/L	10						
Surr: 2,4,6-Tribromophenol			10	45	21	130			
Surr: 2-Fluorobiphenyl			10	46	28	107			
Surr: 2-Fluorophenol			10	32	20	56			
Surr: Nitrobenzene-d5			10	51	32	94			
Surr: Phenol-d5			10	28	19	45			
Surr: Terphenyl-d14			10	45	32	122			
Sample ID: App2A-35019	Laboratory Control Sample				Run: SV5973.I_081007A				10/07/08 18:15
1,2,4,5-Tetrachlorobenzene	55.0	ug/L	10	55	15	124			
1,3-Dinitrobenzene	63.8	ug/L	10	64	24	136			
1,4-Naphthoquinone	65.1	ug/L	10	65	59	103			
2,3,4,6-Tetrachlorophenol	46.5	ug/L	10	47	10	123			
2,6-Dichlorophenol	48.7	ug/L	10	49	12	133			
2-Acetylaminofluorene	58.0	ug/L	10	58	39	130			
3-Methylcholanthrene	45.8	ug/L	10	46	10	183			
7,12-Dimethylbenz(a)anthracene	49.4	ug/L	10	49	30	130			
Aramite	56.3	ug/L	10	56	15	152			
Chlorobenzilate	63.4	ug/L	10	63	36	128			
Diallate	66.2	ug/L	10	66	10	157			
Dimethoate	67.4	ug/L	10	67	15	151			
Disulfoton	64.3	ug/L	10	64	10	159			
Ethyl methanesulfonate	42.8	ug/L	10	43	10	143			
Famphur	36.0	ug/L	10	36	10	138			
Hexachloropropene	50.0	ug/L	10	50	10	131			
Isosafrole	61.8	ug/L	10	62	27	114			
Methapyrilene	53.7	ug/L		54	20	140			
Methyl methanesulfonate	40.6	ug/L	10	41	14	123			
Methyl parathion	75.4	ug/L	10	75	15	159			
o,o,o-Triethyl phosphorothioate	52.5	ug/L	10	53	31	108			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/09/08
Work Order: B08092749

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 35019
Sample ID: App2A-35019	Laboratory Control Sample				Run: SV5973.I_081007A				10/07/08 18:15
Parathion	60.3	ug/L	10	60	31	137			
Pentachlorobenzene	54.2	ug/L	10	54	15	127			
Phorate	63.3	ug/L	10	63	16	153			
Safrole	53.2	ug/L	10	53	28	113			
Sulfotep	68.9	ug/L	10	69	15	135			
Thionazin	57.9	ug/L	10	58	25	147			
Surr: 2,4,6-Tribromophenol			10	51	21	130			
Surr: 2-Fluorobiphenyl			10	50	28	107			
Surr: 2-Fluorophenol			10	28	20	56			
Surr: Nitrobenzene-d5			10	45	32	94			
Surr: Phenol-d5			10	26	19	45			
Surr: Terphenyl-d14			10	48	32	122			
Sample ID: B08092749-004FMS	Sample Matrix Spike				Run: SV5973.I_081007A				10/07/08 21:20
1,2,4-Trichlorobenzene	66.0	ug/L	20	66	36	78	7	40	
1,2-Dichlorobenzene	62.4	ug/L	20	62	15	93	4.1	40	
1,3-Dichlorobenzene	64.4	ug/L	20	64	23	77	3.8	40	
1,4-Dichlorobenzene	58.4	ug/L	20	58	13	90	9.2	40	
1-Methylnaphthalene	55.4	ug/L	20	55	18	117	6.3	40	
2,4,5-Trichlorophenol	83.8	ug/L	20	84	36	106	8.2	40	
2,4,6-Trichlorophenol	71.0	ug/L	20	71	29	96	4.3	40	
2,4-Dichlorophenol	63.6	ug/L	20	64	32	86	0.9	40	
2,4-Dimethylphenol	70.4	ug/L	20	70	25	98	1.4	40	
2,4-Dinitrophenol	39.6	ug/L	100	40	10	98	0	40	
2,4-Dinitrotoluene	87.4	ug/L	20	87	46	103	1.1	40	
2,6-Dinitrotoluene	76.0	ug/L	20	76	41	101	20	40	
2-Chloronaphthalene	80.0	ug/L	20	80	29	92	2.2	40	
2-Chlorophenol	61.6	ug/L	20	62	28	74	8.1	40	
2-Methylnaphthalene	82.4	ug/L	20	82	30	95	0.7	40	
2-Nitroaniline	68.4	ug/L	20	68	38	103	3.7	40	
2-Nitrophenol	69.6	ug/L	20	70	30	94	5	40	
3,3´-Dichlorobenzidine	69.0	ug/L	40	69	24	119	3.1	40	
3-Nitroaniline	59.8	ug/L	20	60	29	98	12	40	
4,6-Dinitro-2-methylphenol	53.8	ug/L	100	54	10	120	0	40	
4-Bromophenyl phenyl ether	73.2	ug/L	20	73	41	103	17	40	
4-Chloro-2-methylphenol	54.4	ug/L	20	54	26	102	11	40	
4-Chloro-3-methylphenol	74.4	ug/L	20	74	32	102	13	40	
4-Chlorophenol	46.8	ug/L	20	47	26	91	0.9	40	
4-Chlorophenyl phenyl ether	74.2	ug/L	20	74	38	101	16	40	
4-Nitroaniline	63.8	ug/L	20	64	33	104	21	40	
4-Nitrophenol	38.2	ug/L	100	38	10	50	0	40	
Acenaphthene	70.0	ug/L	20	70	40	92	17	40	
Acenaphthylene	75.2	ug/L	20	75	37	96	9.4	40	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/09/08
Work Order: B08092749

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 35019
Sample ID: B08092749-004FMS	Sample Matrix Spike				Run: SV5973.I_081007A			10/07/08 21:20	
Aniline	27.0	ug/L	20	27	10	101	27	40	
Anthracene	75.4	ug/L	20	75	46	108	22	40	
Azobenzene	76.4	ug/L	20	76	38	99	13	40	
Benzidine	53.2	ug/L	40	53	10	143	11	40	
Benzo(a)anthracene	84.8	ug/L	20	85	41	105	3.2	40	
Benzo(a)pyrene	93.2	ug/L	20	93	42	110	1.3	40	
Benzo(b)fluoranthene	83.6	ug/L	20	84	27	121	5.2	40	
Benzo(g,h,i)perylene	78.8	ug/L	20	79	44	108	15	40	
Benzo(k)fluoranthene	85.8	ug/L	20	86	44	111	7.2	40	
Benzyl alcohol	58.8	ug/L	20	59	10	100	5.2	40	
bis(-2-chloroethoxy)Methane	71.2	ug/L	20	71	35	91	1.9	40	
bis(-2-chloroethyl)Ether	67.8	ug/L	20	68	32	81	5.8	40	
bis(2-chloroisopropyl)Ether	68.4	ug/L	20	68	32	78	1.5	40	
bis(2-ethylhexyl)Phthalate	71.2	ug/L	20	71	22	113	21	40	
Butylbenzylphthalate	79.8	ug/L	20	80	38	109	17	40	
Chrysene	74.8	ug/L	20	75	50	106	22	40	
Dibenzo(a,h)anthracene	77.8	ug/L	20	78	47	111	7.2	40	
Dibenzofuran	76.2	ug/L	20	76	43	94	10	40	
Diethyl phthalate	76.6	ug/L	20	77	36	105	19	40	
Dimethyl phthalate	83.6	ug/L	20	84	43	100	5.1	40	
Di-n-butyl phthalate	77.8	ug/L	20	78	51	114	17	40	
Di-n-octyl phthalate	69.0	ug/L	20	69	45	134	19	40	
Fluoranthene	75.6	ug/L	20	76	44	111	19	40	
Fluorene	74.2	ug/L	20	74	42	99	12	40	
Hexachlorobenzene	72.6	ug/L	20	73	40	101	13	40	
Hexachlorobutadiene	66.4	ug/L	20	66	24	76	2.1	40	
Hexachlorocyclopentadiene	63.6	ug/L	40	64	21	79	1.6	40	
Hexachloroethane	58.0	ug/L	20	58	23	66	1.7	40	
Indeno(1,2,3-cd)pyrene	71.6	ug/L	20	72	33	112	10	40	
Isophorone	76.0	ug/L	20	76	40	92	1.6	40	
m+p-Cresols	55.4	ug/L	20	55	24	83	9.3	40	
Naphthalene	71.8	ug/L	20	72	22	108	4.9	40	
Nitrobenzene	70.2	ug/L	20	70	40	82	3.5	40	
n-Nitrosodimethylamine	50.8	ug/L	20	51	16	43	24	40	S
n-Nitroso-di-n-propylamine	73.8	ug/L	20	74	39	90	1.9	40	
n-Nitrosodiphenylamine	79.2	ug/L	20	79	12	133	5.4	40	
o-Cresol	59.0	ug/L	20	59	22	88	33	40	
p-Chloroaniline	57.4	ug/L	20	57	23	82	7.7	40	
Pentachlorophenol	67.8	ug/L	100	68	16	116	0	40	
Phenanthrene	73.6	ug/L	20	74	43	106	12	40	
Phenol	42.0	ug/L	20	42	17	49	3.9	40	
Pyrene	89.2	ug/L	20	89	41	106	1.3	40	
Pyridine	26.8	ug/L	20	27	10	47	0.7	40	

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/09/08
Work Order: B08092749

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 35019
Sample ID: B08092749-004FMS	Sample Matrix Spike				Run: SV5973.I_081007A				10/07/08 21:20
Surr: 2,4,6-Tribromophenol			20	67	21	130	0	40	
Surr: 2-Fluorobiphenyl			20	60	28	107	0	40	
Surr: 2-Fluorophenol			20	35	20	56	0	40	
Surr: Nitrobenzene-d5			20	63	32	94	0	40	
Surr: Phenol-d5			20	38	19	45	0	40	
Surr: Terphenyl-d14			20	67	32	122	0	40	
Sample ID: MB-35019	Method Blank				Run: SV5973.I_081008A				10/08/08 19:18
1,3,5-Trinitrobenzene	ND	ug/L	10						
1,4-Benzenediamine	ND	ug/L							P
1-Naphthylamine	ND	ug/L	10						
2-Naphthylamine	ND	ug/L	10						
2-Picoline	ND	ug/L	10						
3,3'-Dimethylbenzidine	ND	ug/L	10						
4-Aminobiphenyl	ND	ug/L	10						
4-Nitroquinoline-n-oxide	ND	ug/L	10						
5-Nitro-o-toluidine	ND	ug/L	10						
a,a-Dimethylphenethylamine	ND	ug/L							P
Acetophenone	ND	ug/L	10						
Diphenylamine	ND	ug/L	10						
n-Nitrosodiethylamine	ND	ug/L	10						
n-Nitroso-di-n-butylamine	ND	ug/L	10						
n-Nitrosomethylethylamine	ND	ug/L	10						
n-Nitrosomorpholine	ND	ug/L	10						
n-Nitrosopiperidine	ND	ug/L	10						
n-Nitrosopyrrolidine	ND	ug/L	10						
o-Toluidine	ND	ug/L	10						
p-(dimethylamino)Azobenzene	ND	ug/L	10						
Pentachloronitrobenzene	ND	ug/L	10						
Phenacetin	ND	ug/L	10						
Pronamide	ND	ug/L	10						
Surr: 2,4,6-Tribromophenol			10	46	21	130			
Surr: 2-Fluorobiphenyl			10	42	28	107			
Surr: 2-Fluorophenol			10	27	20	56			
Surr: Nitrobenzene-d5			10	50	32	94			
Surr: Phenol-d5			10	25	19	45			
Surr: Terphenyl-d14			10	44	32	122			
Sample ID: App2B-35019	Laboratory Control Sample				Run: SV5973.I_081008A				10/08/08 19:48
1,3,5-Trinitrobenzene	67.8	ug/L	10	68	28	77			
1-Naphthylamine	58.2	ug/L	10	58	10	111			
2-Naphthylamine	53.6	ug/L	10	54	10	120			
2-Picoline	38.4	ug/L	10	38	13	93			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/09/08
Work Order: B08092749

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 35019
Sample ID: App2B-35019	Laboratory Control Sample				Run: SV5973.I_081008A				10/08/08 19:48
3,3´-Dimethylbenzidine	54.2	ug/L	10	54	10	116			
4-Aminobiphenyl	60.3	ug/L	10	60	20	131			
4-Nitroquinoline-n-oxide	69.2	ug/L	10	69	26	149			
5-Nitro-o-toluidine	60.8	ug/L	10	61	29	131			
Acetophenone	56.6	ug/L	10	57	17	144			
Diphenylamine	68.7	ug/L	10	69	31	140			
n-Nitrosodiethylamine	53.9	ug/L	10	54	18	130			
n-Nitroso-di-n-butylamine	68.2	ug/L	10	68	21	159			
n-Nitrosomethylethylamine	48.2	ug/L	10	48	14	114			
n-Nitrosomorpholine	46.8	ug/L	10	47	10	165			
n-Nitrosopiperidine	59.6	ug/L	10	60	23	148			
n-Nitrosopyrrolidine	41.1	ug/L	10	41	10	150			
o-Toluidine	46.6	ug/L	10	47	10	136			
p-(dimethylamino)Azobenzene	73.6	ug/L	10	74	40	143			
Pentachloronitrobenzene	68.3	ug/L	10	68	10	172			
Phenacetin	59.3	ug/L	10	59	30	143			
Pronamide	64.1	ug/L	10	64	30	145			
Surr: 2,4,6-Tribromophenol			10	56	21	130			
Surr: 2-Fluorobiphenyl			10	50	28	107			
Surr: 2-Fluorophenol			10	29	20	56			
Surr: Nitrobenzene-d5			10	47	32	94			
Surr: Phenol-d5			10	27	19	45			
Surr: Terphenyl-d14			10	53	32	122			
Sample ID: LCS-35019	Laboratory Control Sample				Run: SV5973N.I_081006A				10/06/08 22:19
1,2,4-Trichlorobenzene	60.4	ug/L	10	60	31	87			
1,2-Dichlorobenzene	54.7	ug/L	10	55	33	76			
1,3-Dichlorobenzene	54.8	ug/L	10	55	31	74			
1,4-Dichlorobenzene	53.8	ug/L	10	54	30	74			
1-Methylnaphthalene	47.4	ug/L	10	47	36	95			
2,4,5-Trichlorophenol	65.1	ug/L	10	65	27	100			
2,4,6-Trichlorophenol	56.0	ug/L	10	56	21	130			
2,4-Dichlorophenol	57.2	ug/L	10	57	35	86			
2,4-Dimethylphenol	61.8	ug/L	10	62	33	92			
2,4-Dinitrophenol	25.2	ug/L	50	25	10	112			
2,4-Dinitrotoluene	76.4	ug/L	10	76	44	110			
2,6-Dinitrotoluene	73.1	ug/L	10	73	40	113			
2-Chloronaphthalene	64.9	ug/L	10	65	38	100			
2-Chlorophenol	52.5	ug/L	10	53	30	77			
2-Methylnaphthalene	69.6	ug/L	10	70	36	89			
2-Nitrophenol	61.0	ug/L	10	61	31	94			
3,3´-Dichlorobenzidine	60.7	ug/L	20	61	29	110			
4,6-Dinitro-2-methylphenol	38.4	ug/L	50	38	10	118			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/09/08
Work Order: B08092749

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 35019
Sample ID: LCS-35019	Laboratory Control Sample				Run: SV5973N.I_081006A				10/06/08 22:19
4-Bromophenyl phenyl ether	76.8	ug/L	10	77	36	109			
4-Chloro-3-methylphenol	55.4	ug/L	10	55	36	95			
4-Chlorophenol	40.2	ug/L	10	40	25	91			
4-Chlorophenyl phenyl ether	73.8	ug/L	10	74	38	107			
4-Nitrophenol	28.6	ug/L	50	29	10	49			
Acenaphthene	69.0	ug/L	10	69	43	97			
Acenaphthylene	65.3	ug/L	10	65	45	94			
Anthracene	66.6	ug/L	10	67	50	106			
Azobenzene	72.0	ug/L	10	72	41	103			
Benzidine	74.9	ug/L	20	75	10	142			
Benzo(a)anthracene	76.0	ug/L	10	76	39	121			
Benzo(a)pyrene	79.8	ug/L	10	80	42	109			
Benzo(b)fluoranthene	69.4	ug/L	10	69	32	124			
Benzo(g,h,i)perylene	74.0	ug/L	10	74	42	117			
Benzo(k)fluoranthene	80.0	ug/L	10	80	46	104			
bis(-2-chloroethoxy)Methane	63.4	ug/L	10	63	33	93			
bis(-2-chloroethyl)Ether	59.5	ug/L	10	60	28	91			
bis(2-chloroisopropyl)Ether	58.1	ug/L	10	58	33	87			
bis(2-ethylhexyl)Phthalate	77.9	ug/L	10	78	13	127			
Butylbenzylphthalate	81.4	ug/L	10	81	31	118			
Chrysene	77.3	ug/L	10	77	47	110			
Di-n-butyl phthalate	82.2	ug/L	10	82	33	117			
Di-n-octyl phthalate	71.6	ug/L	10	72	25	123			
Dibenzo(a,h)anthracene	75.0	ug/L	10	75	44	114			
Diethyl phthalate	73.3	ug/L	10	73	38	109			
Dimethyl phthalate	68.3	ug/L	10	68	36	110			
Fluoranthene	74.1	ug/L	10	74	45	117			
Fluorene	71.9	ug/L	10	72	42	104			
Hexachlorobenzene	76.7	ug/L	10	77	36	109			
Hexachlorobutadiene	59.6	ug/L	10	60	27	83			
Hexachlorocyclopentadiene	57.8	ug/L	20	58	30	85			
Hexachloroethane	50.5	ug/L	10	51	28	72			
Indeno(1,2,3-cd)pyrene	72.4	ug/L	10	72	35	123			
Isophorone	62.4	ug/L	10	62	36	99			
m+p-Cresols	54.9	ug/L	10	55	24	83			
n-Nitroso-di-n-propylamine	64.6	ug/L	10	65	34	102			
n-Nitrosodimethylamine	31.1	ug/L	10	31	19	43			
n-Nitrosodiphenylamine	72.5	ug/L	10	73	33	106			
Naphthalene	61.1	ug/L	10	61	37	88			
Nitrobenzene	62.1	ug/L	10	62	35	86			
o-Cresol	56.8	ug/L	10	57	22	88			
Pentachlorophenol	62.2	ug/L	50	62	24	117			
Phenanthrene	78.9	ug/L	10	79	38	113			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/09/08
Work Order: B08092749

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 35019
Sample ID: LCS-35019	Laboratory Control Sample				Run: SV5973N.I_081006A				10/06/08 22:19
Phenol	31.7	ug/L	10	32	18	48			
Pyrene	73.7	ug/L	10	74	39	115			
Pyridine	19.9	ug/L	10	20	10	47			
Surr: 2,4,6-Tribromophenol			10	63	21	130			
Surr: 2-Fluorobiphenyl			10	53	28	107			
Surr: 2-Fluorophenol			10	28	20	56			
Surr: Nitrobenzene-d5			10	50	32	94			
Surr: Phenol-d5			10	29	19	45			
Surr: Terphenyl-d14			10	67	32	122			
Sample ID: B08092766-001GMS	Sample Matrix Spike				Run: SV5973N.I_081006A				10/06/08 23:20
1,2,4-Trichlorobenzene	70.8	ug/L	20	71	31	87			
1,2-Dichlorobenzene	65.0	ug/L	20	65	33	76			
1,3-Dichlorobenzene	62.0	ug/L	20	62	31	74			
1,4-Dichlorobenzene	64.0	ug/L	20	64	30	74			
1-Methylnaphthalene	59.0	ug/L	20	59	36	95			
2,4,5-Trichlorophenol	77.2	ug/L	20	77	27	100			
2,4,6-Trichlorophenol	68.0	ug/L	20	68	21	130			
2,4-Dichlorophenol	63.0	ug/L	20	63	35	86			
2,4-Dimethylphenol	69.4	ug/L	20	69	33	92			
2,4-Dinitrophenol	40.2	ug/L	100	40	10	112			
2,4-Dinitrotoluene	88.4	ug/L	20	88	44	110			
2,6-Dinitrotoluene	92.6	ug/L	20	93	40	113			
2-Chloronaphthalene	81.8	ug/L	20	82	38	100			
2-Chlorophenol	56.8	ug/L	20	57	30	77			
2-Methylnaphthalene	81.8	ug/L	20	82	36	89			
2-Nitroaniline	71.0	ug/L	20	71	38	98			
2-Nitrophenol	66.2	ug/L	20	66	31	94			
3,3'-Dichlorobenzidine	71.2	ug/L	40	71	29	110			
3-Nitroaniline	67.6	ug/L	20	68	33	86			
4,6-Dinitro-2-methylphenol	62.6	ug/L	100	63	10	118			
4-Bromophenyl phenyl ether	86.4	ug/L	20	86	36	109			
4-Chloro-2-methylphenol	48.8	ug/L	20	49	36	89			
4-Chloro-3-methylphenol	65.2	ug/L	20	65	36	95			
4-Chlorophenol	47.2	ug/L	20	47	25	91			
4-Chlorophenyl phenyl ether	87.0	ug/L	20	87	38	107			
4-Nitroaniline	78.6	ug/L	20	79	34	102			
4-Nitrophenol	18.4	ug/L	100	18	10	49			
Acenaphthene	83.2	ug/L	20	83	43	97			
Acenaphthylene	82.6	ug/L	20	83	45	94			
Aniline	20.6	ug/L	20	21	10	38			
Anthracene	94.4	ug/L	20	94	50	106			
Azobenzene	86.8	ug/L	20	87	41	103			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/09/08
Work Order: B08092749

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 35019
Sample ID: B08092766-001GMS	Sample Matrix Spike				Run: SV5973N.I_081006A				10/06/08 23:20
Benzidine	59.2	ug/L	40	59	10	142			
Benzo(a)anthracene	87.6	ug/L	20	88	39	121			
Benzo(a)pyrene	94.4	ug/L	20	94	42	109			
Benzo(b)fluoranthene	79.4	ug/L	20	79	32	124			
Benzo(g,h,i)perylene	91.6	ug/L	20	92	42	117			
Benzo(k)fluoranthene	92.2	ug/L	20	92	46	104			
Benzyl alcohol	55.8	ug/L	20	56	27	64			
bis(-2-chloroethoxy)Methane	72.6	ug/L	20	73	33	93			
bis(-2-chloroethyl)Ether	64.0	ug/L	20	64	28	91			
bis(2-chloroisopropyl)Ether	67.4	ug/L	20	67	33	87			
bis(2-ethylhexyl)Phthalate	88.2	ug/L	20	88	13	127			
Butylbenzylphthalate	94.4	ug/L	20	94	31	118			
Chrysene	93.6	ug/L	20	94	47	110			
Dibenzo(a,h)anthracene	83.6	ug/L	20	84	44	114			
Dibenzofuran	84.6	ug/L	20	85	44	90			
Diethyl phthalate	93.0	ug/L	20	93	38	109			
Dimethyl phthalate	88.0	ug/L	20	88	36	110			
Di-n-butyl phthalate	92.2	ug/L	20	92	33	117			
Di-n-octyl phthalate	83.8	ug/L	20	84	25	123			
Fluoranthene	91.2	ug/L	20	91	45	117			
Fluorene	84.0	ug/L	20	84	42	104			
Hexachlorobenzene	83.0	ug/L	20	83	36	109			
Hexachlorobutadiene	67.8	ug/L	20	68	27	83			
Hexachlorocyclopentadiene	64.6	ug/L	40	65	30	85			
Hexachloroethane	59.0	ug/L	20	59	28	72			
Indeno(1,2,3-cd)pyrene	79.4	ug/L	20	79	35	123			
Isophorone	74.8	ug/L	20	75	36	99			
m+p-Cresols	60.8	ug/L	20	61	24	83			
Naphthalene	75.4	ug/L	20	75	37	88			
Nitrobenzene	67.8	ug/L	20	68	35	86			
n-Nitrosodimethylamine	39.8	ug/L	20	40	19	43			
n-Nitroso-di-n-propylamine	72.4	ug/L	20	72	34	102			
n-Nitrosodiphenylamine	83.6	ug/L	20	84	33	106			
o-Cresol	82.0	ug/L	20	82	22	88			
p-Chloroaniline	62.0	ug/L	20	62	20	80			
Pentachlorophenol	82.2	ug/L	100	82	24	117			
Phenanthrene	82.6	ug/L	20	83	38	113			
Phenol	40.4	ug/L	20	40	18	48			
Pyrene	90.4	ug/L	20	90	39	115			
Pyridine	27.0	ug/L	20	27	10	47			
Surr: 2,4,6-Tribromophenol			20	83	21	130			
Surr: 2-Fluorobiphenyl			20	71	28	107			
Surr: 2-Fluorophenol			20	30	20	56			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/09/08
Work Order: B08092749

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 35019
Sample ID: B08092766-001GMS	Sample Matrix Spike				Run: SV5973N.I_081006A				10/06/08 23:20
Surr: Nitrobenzene-d5			20	60	32	94			
Surr: Phenol-d5			20	41	19	45			
Surr: Terphenyl-d14			20	77	32	122			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/20/08
Work Order: B08092749

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8151A									Batch: 35031
Sample ID: MB-35031	Method Blank				Run: CECD.I_081007A				10/07/08 20:13
2,4-D	ND	ug/L	1.0						
Dinoseb	ND	ug/L	1.0						
2,4,5-T	ND	ug/L	0.20						
2,4,5-TP (Silvex)	ND	ug/L	0.20						
Surr: DCAA			0.10	78	57	125			
Sample ID: LCS-35031	Laboratory Control Sample				Run: CECD.I_081007A				10/07/08 20:45
2,4-D	5.23	ug/L	1.0	105	58	136			
Dinoseb	2.60	ug/L	1.0	52	13	146			
2,4,5-T	4.93	ug/L	0.20	99	68	152			
2,4,5-TP (Silvex)	5.84	ug/L	0.20	117	66	153			
Surr: DCAA			0.10	83	57	125			
Sample ID: B08092749-004EMS	Sample Matrix Spike				Run: CECD.I_081007A				10/07/08 23:27
2,4-D	2.34	ug/L	1.0	94	50	140			
Dinoseb	1.91	ug/L	1.0	76	10	150			
2,4,5-T	2.41	ug/L	0.20	96	60	160			
2,4,5-TP (Silvex)	2.72	ug/L	0.20	109	60	155			
Surr: DCAA			0.10	88	57	125			
Sample ID: B08092749-004EMSD	Sample Matrix Spike Duplicate				Run: CECD.I_081007A				10/08/08 00:00
2,4-D	2.41	ug/L	1.0	96	50	140	2.9	40	
Dinoseb	1.46	ug/L	1.0	58	10	150	27	40	
2,4,5-T	2.50	ug/L	0.20	100	60	160	3.7	40	
2,4,5-TP (Silvex)	2.84	ug/L	0.20	114	60	155	4.3	40	
Surr: DCAA			0.10	85	57	125			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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Energy Laboratories Inc
Workorder Receipt Checklist

B08092749

Butte Silver Bow Public Works Dept

Login completed by: Gina McCartney

Date and Time Received: 9/30/2008 8:50 AM

Reviewed by: Denise Ruby

Received by: smr

Reviewed Date: 10/1/2008 8:54:00 AM

Carrier name: Return-UPS Ground & UPS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☐	No ☑	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature:	1°C On Ice		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☑	Not Applicable ☐

Contact and Corrective Action Comments:

Sample BSB-GW-03 container for Herbicide 8151 received broken. Will analyze for Herbicide 8151 using extra 8270 container. Sample BSB-GW-04 for Cyanide was received at pH~ 9, 2mL NaOH added to preserve to pH >12.

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page ____ of ____

PLEASE PRINT- Provide as much information as possible.

Company Name: Pioneer Technical Services	Project Name, PWS, Permit, Etc.: Old Landfill	Sample Origin State: mt	EPA/State Compliance: Yes ☒ No ☐
Report Mail Address: 63 1/2 W. Broadway Butte, Mt. 59701	Contact Name: Brad Hollamon Phone/Fax: 782-5177	Email: bhollamon@pioneer-technical	Sampler: (Please Print) Brad Hollamon
Invoice Address: BSB Public Works Dept 126 W. Granite Butte, Mt 59701	Invoice Contact & Phone: Gary Keeler 406-~~782~~ 497-6515	Purchase Order:	Quote/Bottle Order: 29165

Special Report/Formats – ELI must be notified prior to sample submittal for the following:

☐ DW ☐ A2LA
☐ GSA ☐ EDD/EDT (Electronic Data)
☐ POTW/WWTP Format: _____
☐ State: _____ ☐ LEVEL IV
☐ Other: _____ ☐ NELAC

Number of Containers
Sample Type: A W S V B O
Air Water Soils/Solids
Vegetation Bioassay Other

ANALYSIS REQUESTED

RUSH

Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page

Comments: DM- As, Sb, Ba, Be, Cd, Cr, Cu, Fe, Pb, Ag, Ni, Se, Ag, Tl, V, Zn

Shipped by: 1 coolers UPS and 1 coolers RTRN UPS Cg
Cooler ID(s): 2 coolers
Receipt Temp 1 °C
On Ice: Yes No
Custody Seal Y N
Bottles/Coolers B C
Intact Y N
Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	pH, SC, Cl⁻, SO4⁻	CN⁻	NO2/NO3, COD	8270, SVOC	8151	8260b	Dissolved Metals			SEE ATTACHED	Normal Turnaround (TAT)		LABORATORY USE ONLY
1	BSB-GW-02	9/26/08	1015	8, W	X	X	X	X	X	X							B08092749-001
2	BSB-GW-04	↓	1100	8, W	X	X	X	X	X	X							-002
3	BSB-GW-03	↓	1130	8, W	X	X	X	X	X	X							-003
4	BSB-GW-01	↓	1215	9, W	X	X	X	X	X	X	X						-004
5	TB 8-28-08 HC SHP0237																-005
6																	
7																	
8																	
9																	
10																	

Per phone
Call to Brad, analyze
8270, 8260 + 8151 as
APP II Like workorder done
Sept 2007 (B07090939)
gm

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Brad Hollamon	9/29/08, 1130	Brad Hollamon			
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
			Received by Laboratory: Sandy Rusch	Date/Time: 9-30-08	Signature: 8:50

Sample Disposal: Return to Client: _____ Lab Disposal: _____

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.
This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.
Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

** REPORT **

Pioneer Technical Services
Brad Hollamon
63 1/2 W Broadway
Butte MT 59701

RECEIVED
OCT 14 2008

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ANALYTICAL SUMMARY REPORT

October 07, 2008

Brad Hollamon
Butte Silver Bow Public Works Dept
126 West Granite
Butte, MT 59701

Workorder No.: B08092796

Project Name: Old Landfill

Energy Laboratories Inc received the following 2 samples from Butte Silver Bow Public Works Dept on 9/30/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B08092796-001	BSB-GW-05	09/25/08 12:00	09/30/08	Aqueous	Metals by ICP/ICPMS, Dissolved Anions by ion chromatography Conductivity pH
B08092796-002	BSB-GW-06	09/25/08 12:36	09/30/08	Aqueous	Same As Above

Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By: Cindy Rohrer

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08092796-001
Client Sample ID: BSB-GW-05

CLK-1

Report Date: 10/07/08
Collection Date: 09/25/08 12:00
DateReceived: 09/30/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.1	s.u.		0.1		A4500 H	09/30/08 16:27 / mlb
Conductivity	2400	umhos/cm		1		A2510 B	09/30/08 16:25 / mlb
INORGANICS							
Chloride	28	mg/L		1		E300.0	10/03/08 14:24 / qed
Sulfate	1370	mg/L		1		E300.0	10/03/08 14:24 / qed
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		E200.8	10/04/08 07:16 / aje
Arsenic	0.108	mg/L		0.005		E200.8	10/04/08 07:16 / aje
Barium	ND	mg/L		0.1		E200.7	10/01/08 17:26 / rlh
Beryllium	ND	mg/L		0.001		E200.8	10/04/08 07:16 / aje
Cadmium	0.019	mg/L		0.001		E200.8	10/04/08 07:16 / aje
Chromium	ND	mg/L		0.01		E200.8	10/04/08 07:16 / aje
Copper	ND	mg/L		0.01		E200.8	10/04/08 07:16 / aje
Iron	19.3	mg/L		0.03		E200.7	10/01/08 17:26 / rlh
Lead	ND	mg/L		0.01		E200.8	10/04/08 07:16 / aje
Mercury	ND	mg/L		0.001		E200.8	10/04/08 07:16 / aje
Nickel	0.05	mg/L		0.01		E200.8	10/04/08 07:16 / aje
Selenium	ND	mg/L		0.005		E200.8	10/04/08 07:16 / aje
Silver	ND	mg/L		0.005		E200.8	10/04/08 07:16 / aje
Thallium	ND	mg/L		0.005		E200.8	10/04/08 07:16 / aje
Vanadium	ND	mg/L		0.1		E200.7	10/01/08 17:26 / rlh
Zinc	80	mg/L	D	1		E200.7	10/01/08 17:26 / rlh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08092796-002
Client Sample ID: BSB-GW-06

CLK-2

Report Date: 10/07/08
Collection Date: 09/25/08 12:36
DateReceived: 09/30/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.3	s.u.		0.1		A4500 H	09/30/08 16:28 / mlb
Conductivity	1860	umhos/cm		1		A2510 B	09/30/08 16:26 / mlb
INORGANICS							
Chloride	56	mg/L		1		E300.0	10/03/08 14:35 / qed
Sulfate	820	mg/L		1		E300.0	10/03/08 14:35 / qed
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		E200.8	10/04/08 07:23 / aje
Arsenic	ND	mg/L		0.005		E200.8	10/04/08 07:23 / aje
Barium	ND	mg/L		0.1		E200.7	10/01/08 17:30 / rlh
Beryllium	ND	mg/L		0.001		E200.7	10/01/08 17:30 / rlh
Cadmium	ND	mg/L		0.001		E200.8	10/04/08 07:23 / aje
Chromium	ND	mg/L		0.01		E200.7	10/01/08 17:30 / rlh
Copper	0.01	mg/L		0.01		E200.8	10/04/08 07:23 / aje
Iron	ND	mg/L		0.03		E200.7	10/01/08 17:30 / rlh
Lead	ND	mg/L		0.01		E200.8	10/04/08 07:23 / aje
Mercury	ND	mg/L		0.001		E200.8	10/04/08 07:23 / aje
Nickel	0.02	mg/L		0.01		E200.8	10/04/08 07:23 / aje
Selenium	ND	mg/L		0.005		E200.8	10/04/08 07:23 / aje
Silver	ND	mg/L		0.005		E200.8	10/04/08 07:23 / aje
Thallium	ND	mg/L		0.005		E200.8	10/04/08 07:23 / aje
Vanadium	ND	mg/L		0.1		E200.7	10/01/08 17:30 / rlh
Zinc	0.51	mg/L		0.01		E200.7	10/01/08 17:30 / rlh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/07/08
Work Order: B08092796

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2510 B								Batch: PHSC080930A	
Sample ID: PHC1080722A	Laboratory Control Sample				Run: ORION555A_080930A			09/30/08 08:38	
Conductivity	154	umhos/cm	1.0	103	90	110			
Sample ID: PHC1071220B	Laboratory Control Sample				Run: ORION555A_080930A			09/30/08 08:39	
Conductivity	5060	umhos/cm	1.0	101	90	110			
Sample ID: PHC1080605C	Laboratory Control Sample				Run: ORION555A_080930A			09/30/08 08:40	
Conductivity	20000	umhos/cm	1.0	100	90	110			
Sample ID: B08092749-001ADUP	Sample Duplicate				Run: ORION555A_080930A			09/30/08 16:13	
Conductivity	473	umhos/cm	1.0				0.2	10	
Method: A4500 H								Batch: PHSC080930A	
Sample ID: PHC1080722D	Laboratory Control Sample				Run: ORION555A_080930A			09/30/08 08:45	
pH	3.98	s.u.	0.10	100	97	103			
Sample ID: PHC1080722E	Laboratory Control Sample				Run: ORION555A_080930A			09/30/08 08:45	
pH	6.97	s.u.	0.10	100	98	102			
Sample ID: B08092749-001ADUP	Sample Duplicate				Run: ORION555A_080930A			09/30/08 16:19	
pH	6.94	s.u.	0.10				0.4	10	
Method: E300.0								Analytical Run: IC202-B_080928A	
Sample ID: ICV	Initial Calibration Verification Standard							09/28/08 16:50	
Chloride	24.2	mg/L	1.0	97	90	110			
Sulfate	98.6	mg/L	1.0	99	90	110			
Method: E300.0								Batch: R118282	
Sample ID: ICB	Method Blank				Run: IC202-B_080928A			09/28/08 17:01	
Chloride	0.1	mg/L	0.03						
Sulfate	0.4	mg/L	0.06						
Sample ID: LFB	Laboratory Fortified Blank				Run: IC202-B_080928A			09/28/08 17:13	
Chloride	9.66	mg/L	1.0	95	90	110			
Sulfate	39.0	mg/L	1.0	96	90	110			
Sample ID: B08100056-001AMS	Sample Matrix Spike				Run: IC202-B_080928A			10/03/08 15:10	
Chloride	60.3	mg/L	1.0	101	90	110			
Sulfate	137	mg/L	1.0	100	90	110			
Sample ID: B08100056-001AMSD	Sample Matrix Spike Duplicate				Run: IC202-B_080928A			10/03/08 15:22	
Chloride	61.1	mg/L	1.0	105	90	110	1.4	20	
Sulfate	139	mg/L	1.0	103	90	110	2	20	

Qualifiers:

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/08/08
Work Order: B08092796

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Analytical Run: ICP201-B_081001A	
Sample ID: ICV	Continuing Calibration Verification Standard							10/01/08 11:19	
Barium	2.62	mg/L	0.10	105	95	105			
Beryllium	1.29	mg/L	0.010	103	95	105			
Chromium	2.54	mg/L	0.050	102	95	105			
Iron	2.49	mg/L	0.030	100	95	105			
Vanadium	2.50	mg/L	0.10	100	95	105			
Zinc	2.51	mg/L	0.010	100	95	105			
Method: E200.7								Batch: R118504	
Sample ID: MB-TJADIS081001A	Method Blank				Run: ICP201-B_081001A			10/01/08 11:45	
Barium	0.001	mg/L	0.0002						
Beryllium	ND	mg/L	0.0002						
Chromium	ND	mg/L	0.004						
Iron	ND	mg/L	0.005						
Vanadium	ND	mg/L	0.006						
Zinc	0.002	mg/L	0.001						
Sample ID: LFB-TJADIS081001A	Laboratory Fortified Blank				Run: ICP201-B_081001A			10/01/08 11:49	
Barium	1.08	mg/L	0.10	108	85	115			
Beryllium	0.517	mg/L	0.010	103	85	115			
Chromium	0.991	mg/L	0.050	99	85	115			
Iron	4.97	mg/L	0.030	99	85	115			
Vanadium	0.998	mg/L	0.10	100	85	115			
Zinc	1.01	mg/L	0.010	101	85	115			
Sample ID: B08092786-005BMS2	Sample Matrix Spike				Run: ICP201-B_081001A			10/01/08 17:04	
Barium	1.19	mg/L	0.10	108	70	130			
Beryllium	0.518	mg/L	0.0010	104	70	130			
Chromium	0.982	mg/L	0.010	98	70	130			
Iron	5.02	mg/L	0.030	100	70	130			
Vanadium	1.00	mg/L	0.10	100	70	130			
Zinc	0.998	mg/L	0.010	100	70	130			
Sample ID: B08092786-005BMSD2	Sample Matrix Spike Duplicate				Run: ICP201-B_081001A			10/01/08 17:08	
Barium	1.19	mg/L	0.10	108	70	130	0	20	
Beryllium	0.522	mg/L	0.0010	104	70	130	0.6	20	
Chromium	0.985	mg/L	0.010	98	70	130	0.3	20	
Iron	5.05	mg/L	0.030	100	70	130	0.5	20	
Vanadium	0.997	mg/L	0.10	99	70	130	0.7	20	
Zinc	1.00	mg/L	0.010	100	70	130	0.4	20	
Sample ID: B08100003-005BMS2	Sample Matrix Spike				Run: ICP201-B_081001A			10/01/08 17:56	
Barium	3.31	mg/L	0.10	104	70	130			
Beryllium	1.04	mg/L	0.0010	104	70	130			
Chromium	2.06	mg/L	0.010	103	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/08/08
Work Order: B08092796

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R118504
Sample ID: B08100003-005BMS2	Sample Matrix Spike				Run: ICP201-B_081001A				10/01/08 17:56
Iron	11.1	mg/L	0.030	104	70	130			
Vanadium	1.98	mg/L	0.10	99	70	130			
Zinc	2.07	mg/L	0.010	104	70	130			
Sample ID: B08100003-005BMSD2	Sample Matrix Spike Duplicate				Run: ICP201-B_081001A				10/01/08 18:07
Barium	3.30	mg/L	0.10	104	70	130	0.2	20	
Beryllium	1.04	mg/L	0.0010	104	70	130	0.6	20	
Chromium	1.99	mg/L	0.010	99	70	130	3.5	20	
Iron	10.9	mg/L	0.030	102	70	130	2.4	20	
Vanadium	2.01	mg/L	0.10	100	70	130	1.2	20	
Zinc	2.02	mg/L	0.010	101	70	130	2.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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800-735-4489 • 406-252-[illegible]5 • 406-252-6069 fax • eli@energylab.com

QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/08/08
Work Order: B08092796

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Analytical Run: ICPMS203-B_081003A	
Sample ID: QCS-080514A, 080814B,	Initial Calibration Verification Standard							10/04/08 06:09	
Antimony	0.0511	mg/L	0.050	102	90	110			
Arsenic	0.0496	mg/L	0.0050	99	90	110			
Beryllium	0.0253	mg/L	0.0010	101	90	110			
Cadmium	0.0264	mg/L	0.0010	105	90	110			
Chromium	0.0507	mg/L	0.010	101	90	110			
Copper	0.0518	mg/L	0.010	104	90	110			
Lead	0.0500	mg/L	0.010	100	90	110			
Mercury	0.00195	mg/L	0.0010	97	90	110			
Nickel	0.0523	mg/L	0.010	105	90	110			
Selenium	0.0508	mg/L	0.0050	102	90	110			
Silver	0.0260	mg/L	0.0050	104	90	110			
Thallium	0.0499	mg/L	0.10	100	90	110			
Method: E200.8								Batch: R118685	
Sample ID: LRB	Method Blank				Run: ICPMS203-B_081003A			10/03/08 10:24	
Antimony	ND	mg/L	4E-06						
Arsenic	ND	mg/L	4E-05						
Beryllium	ND	mg/L	4E-06						
Cadmium	ND	mg/L	3E-06						
Chromium	ND	mg/L	4E-05						
Copper	ND	mg/L	3E-05						
Lead	ND	mg/L	3E-06						
Mercury	2E-05	mg/L	1E-05						
Nickel	ND	mg/L	3E-05						
Selenium	ND	mg/L	0.0001						
Silver	ND	mg/L	7E-06						
Thallium	1E-05	mg/L	4E-06						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS203-B_081003A			10/03/08 10:30	
Antimony	0.0486	mg/L	0.050	97	85	115			
Arsenic	0.0489	mg/L	0.0050	98	85	115			
Beryllium	0.0487	mg/L	0.0010	97	85	115			
Cadmium	0.0485	mg/L	0.0010	97	85	115			
Chromium	0.0492	mg/L	0.010	98	85	115			
Copper	0.0485	mg/L	0.010	97	85	115			
Lead	0.0493	mg/L	0.010	99	85	115			
Mercury	0.00104	mg/L	0.0010	102	85	115			
Nickel	0.0485	mg/L	0.010	97	85	115			
Selenium	0.0487	mg/L	0.0050	97	85	115			
Silver	0.0193	mg/L	0.0050	96	85	115			
Thallium	0.0497	mg/L	0.10	99	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 10/08/08
Work Order: B08092796

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R118685
Sample ID: B08100002-001CMS	Sample Matrix Spike				Run: ICPMS203-B_081003A				10/04/08 08:03
Antimony	0.0494	mg/L	0.0050	99	70	130			
Arsenic	0.0501	mg/L	0.0050	100	70	130			
Beryllium	0.0489	mg/L	0.0010	98	70	130			
Cadmium	0.0484	mg/L	0.0010	97	70	130			
Chromium	0.0504	mg/L	0.010	101	70	130			
Copper	0.0498	mg/L	0.010	99	70	130			
Lead	0.0492	mg/L	0.010	98	70	130			
Mercury	0.00101	mg/L	0.0010	101	70	130			
Nickel	0.0489	mg/L	0.010	97	70	130			
Selenium	0.0481	mg/L	0.0050	96	70	130			
Silver	0.0186	mg/L	0.0050	93	70	130			
Thallium	0.0492	mg/L	0.0050	98	70	130			
Sample ID: B08100002-001CMSD	Sample Matrix Spike Duplicate				Run: ICPMS203-B_081003A				10/04/08 08:09
Antimony	0.0490	mg/L	0.0050	98	70	130	0.8	20	
Arsenic	0.0498	mg/L	0.0050	100	70	130	0.7	20	
Beryllium	0.0478	mg/L	0.0010	96	70	130	2.4	20	
Cadmium	0.0480	mg/L	0.0010	96	70	130	0.9	20	
Chromium	0.0495	mg/L	0.010	99	70	130	1.7	20	
Copper	0.0491	mg/L	0.010	98	70	130	1.5	20	
Lead	0.0490	mg/L	0.010	98	70	130	0.4	20	
Mercury	0.00102	mg/L	0.0010	102	70	130	1	20	
Nickel	0.0481	mg/L	0.010	96	70	130	1.5	20	
Selenium	0.0476	mg/L	0.0050	95	70	130	1	20	
Silver	0.0186	mg/L	0.0050	93	70	130	0	20	
Thallium	0.0488	mg/L	0.0050	98	70	130	0.8	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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Energy Laboratories Inc
Workorder Receipt Checklist

Butte Silver Bow Public Works Dept

B08092796

Login completed by: Gina McCartney

Date and Time Received: 9/30/2008 8:50 AM

Reviewed by: Denise Ruby

Received by: smr

Reviewed Date: 10/1/2008 9:09:00 AM

Carrier name: Return-UPS Ground

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature:	1°C On Ice		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

None

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page ____ of ____

PLEASE PRINT- Provide as much information as possible.

Company Name: Pioneer Technical Services

Project Name, PWS, Permit, Etc.: Old Landfill

Sample Origin State: MT

EPA/State Compliance: Yes ☑ No ☐

Report Mail Address: 631/2 W. Broadway Butte, MT. 59701

Contact Name: Brad Hollamon Phone/Fax: 782-5177 Email: bhollamon@pioneer-technical

Sampler: (Please Print) Brad Hollamon

Invoice Address: Same

Invoice Contact & Phone: Amanda Booth 782-5177

Purchase Order:

Quote/Bottle Order: 29165

Special Report/Formats – ELI must be notified prior to sample submittal for the following:

☐ DW ☐ GSA ☐ POTW/WWTP ☐ State: _____ ☐ Other: _____

☐ A2LA ☐ EDD/EDT (Electronic Data) Format:_____ ☐ LEVEL IV ☐ NELAC

ANALYSIS REQUESTED

Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids; Vegetation Bioassay Other

DW: SO4, Cl, SO4; Soil: Hg, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mg, Ni, Se, Ag, Tl, Zn – Dissolved

SEE ATTACHED

Normal Turnaround (TAT)

RUSH

Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: Laura UPS Fedex RTN UPS

Cooler ID(s):

Receipt Temp 1 °C

On Ice: Yes No

Custody Seal Y N

Bottles/Coolers B

Intact Y N

Signature Match Y N

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	DW SO4, Cl, SO4	Soil: Hg, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mg, Ni, Se, Ag, Tl, Zn – Dissolved								SEE ATTACHED	Normal Turnaround (TAT)	LABORATORY USE ONLY
1 BSB-GW-05	9/25/08	1200	2, W	X	X									X	B0809279 6-001
2 BSB-GW-06	9/25/08	1236	2, W	X	X									X	↓ -002
3															
4															
5															
6															
7															
8															
9															
10															

Custody Record MUST be Signed

Relinquished by (print): Brad Hollamon Date/Time: 9/29/08, 1130 Signature: Brad Hollamon

Relinquished by (print): Date/Time: Signature:

Received by (print): Date/Time: Signature:

Received by (print): Date/Time: Signature:

Received by Laboratory: Date/Time: 9-30-08 8:50 Signature: Sandy Rusch

Sample Disposal: Return to Client: _____ Lab Disposal: _____

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page _____ of _____

PLEASE PRINT- Provide as much information as possible.

Company Name: Pioneer Technical Services	Project Name, PWS, Permit, Etc.: Old Landfill	Sample Origin State: Mt	EPA/State Compliance: Yes ☑ No ☐
Report Mail Address: 63½ W. Broadway Butte, Mt. 59701	Contact Name: Brad Hollamon Phone/Fax: 782-5177	Email: bhollamon@pioneer-technical	Sampler: (Please Print) Brad Hollamon
Invoice Address: Same	Invoice Contact & Phone: Amanda Booth 782-5177	Purchase Order:	Quote/Bottle Order: 29165

Special Report/Formats – ELI must be notified prior to sample submittal for the following:

- ☑ DW
- ☐ GSA
- ☐ POTW/WWTP
- ☐ State: _____
- ☐ Other: _____
- ☐ A2LA
- ☐ EDD/EDT (Electronic Data) Format: _____
- ☐ LEVEL IV
- ☐ NELAC

Number of Containers
Sample Type: A W S V B O
Air Water Soils/Solids
Vegetation Bioassay Other

ANALYSIS REQUESTED

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	PH, SC, Cl, SO4	Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Hg, Ni, Se, Ag	Tl, V, Zn - Dissolved						SEE ATTACHED	Normal Turnaround (TAT)	RUSH
1	BSB-GW-05	9/25/08	1200	2, W	X	X								X	
2	BSB-GW-06	9/25/08	1236	2, W	X	X								X	
3															
4															
5															
6															
7															
8															
9															
10															

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by:

Cooler ID(s):

Receipt Temp _____ °C

On Ice: Yes No

Custody Seal Y N

Bottles/Coolers B C

Intact Y N

Signature Match Y N

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Brad Hollamon	9/29/08, 1130	Brad Hollamon			
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
			Received by Laboratory:	Date/Time:	Signature:

Sample Disposal: Return to Client: _____ Lab Disposal: _____

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page _____ of _____

PLEASE PRINT- Provide as much information as possible.

Company Name: Pioneer Technical Services	Project Name, PWS, Permit, Etc.: Old Landfill	Sample Origin State: mt	EPA/State Compliance: Yes ☑ No ☐
Report Mail Address: 635 1/2 W. Broadway Butte, MT 59701	Contact Name: Brad Hollamon Phone/Fax: 782-5177	Email: bhollamon@pioneertechnical	Sampler: (Please Print) Brad Hollamon
Invoice Address: BSB Public Works Dept 126 W. Granite Butte, MT 59701	Invoice Contact & Phone: Gary Keeler 406-497-6515	Purchase Order:	Quote/Bottle Order: 29165

Special Report/Formats – ELI must be notified prior to sample submittal for the following:

- ☑ DW
- ☐ GSA
- ☐ POTW/WWTP
- ☐ State: _____
- ☐ Other: _____
- ☐ A2LA
- ☐ EDD/EDT (Electronic Data) Format: _____
- ☐ LEVEL IV
- ☐ NELAC

Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other

ANALYSIS REQUESTED

RUSH

Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page

Comments: DM- As, Sb, Ba, Be, Cd, Cr, Cu, Fe, Pb, Hg, Ni, Se, Ag, Tl, V, Zn

Shipped by:

Cooler ID(s):

Receipt Temp _____ °C

On Ice: Yes No

Custody Seal Y N

Bottles/Coolers B C

Intact Y N

Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	pH, EC, Cl, SO4	CN-	NO2/NO3, COD	8270, SVOC	8151	8260	Dissolved metals				SEE ATTACHED	Normal Turnaround (TAT)
1	BSB-GW-02	9/26/08	1015	S, W	X	X	X	X	X	X						
2	BSB-GW-04	↓	1100	S, W	X	X	X	X	X	X						
3	BSB-GW-03	↓	1130	S, W	X	X	X	X	X	X						
4	BSB-GW-01	↓	1215	S, W	X	X	X	X	X	X	X					
5																
6																
7																
8																
9																
10																

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Brad Hollamon	9/29/08, 1130	Brad Hollamon			
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
			Received by Laboratory:	Date/Time:	Signature:

Sample Disposal: Return to Client: _____ Lab Disposal: _____

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

PIONEER
TECHNICAL SERVICES, INC.

t 3445, Butte, MT 59702
ww.pioneer-technical.com

County Silver Bow #20
Facility & # Closed Butte-Silver Bow
Closure | Landfarm
Finan Assur | Liner
GW Corr Meas | Methane
GW Monitoring | O & M
GW Reports | Run-on
Inspections
Other: _____

June 04, 2008

Ms. Mary Louise Hendrickson
MDEQ/permitting and Compliance Division
P.O Box 200901
Helena, MT 59620

Dear Mary Louise ,

Enclosed are the analytical results and supporting documentation (including an update of statistics) for the latest groundwater sampling conducted at the Old Butte-Silver Bow County Landfill; the samples were collected on March 12, 2008 as part of the assessment monitoring requirements.

Feel free to call me at 782-5177 with any questions or concerns you may have regarding the enclosed data.

Sincerely,

Brad Hollamon

Brad Hollamon
Senior Technician

Encl.

cc. Gary Keeler, BSB Landfill Manager
Shawn Bisch, Pioneer Technical Services Inc.
Shannon Dunlap, Atlantic Richfield Co.

RECEIVED
JUN 10 2008
Dept. of Enviro. Quality
Waste & Underground
Tank Management Bureau

HELENA
201 East Broadway, Suite C
Helena, MT 59601
Phone (406) 457-8252
Fax (406) 442-1158

BUTTE
63 1/2 West Broadway
Butte, MT 59701
Phone (406) 782-5177
Fax (406) 782-5866

ANACONDA
307 East Park Street, Suite 421
Anaconda, MT 59711
Phone (406) 563-9371
Fax (406) 563-9372

100% post-consumer paper & 100% vegetable-based inks

June 04, 2008

Ms. Mary Louise Heatwichcon
MDEQ Permitting and Compliance Division
P.O. Box 200901
Helena, MT 59620

Dear Mary Louise,

Enclosed are the bank final results and supporting documentation (including an update of statistics) for the latest groundwater sampling conducted at the Old Butte-Silver Bow County Landfill. The samples were collected on March 12, 2008 as part of the assessment monitoring requirements.

Feel free to call me at 782-5177 with any questions or concerns you may have regarding the enclosed data.

Sincerely,

Brad Hallamon
Senior Technician

Encl.

cc: Gary Keeler, BSB Landfill Manager
Shawn Birch, Pioneer Technical Services Inc.
Shannon Dunlap, Atlantic Richfield Co.

OLD SILVER BOW LANDFILL
MARCH 2008 GROUNDWATER MONITORING

The March 2008 round of sampling at the Old Silver Bow Landfill included sampling for the full Table 2 list of analytics in accordance with the Assessment Monitoring program. Table 1, attached, summarizes the analytical results. The discussion below compares these data to previous results and to current Maximum Contaminant Levels (MCLs) and Montana Human Health Standards (HHSs).

Well MBMG-2 (up gradient):

No semi-volatiles, chlorinated acids, or pesticides were detected in the well during this sampling event. One volatile organic compound was detected in this well during this sampling event, Chloroform (ELI 0.40J µg/L). Metals detected below the mean are; As (0.0015 mg/L), Ba (0.122 mg/L) and V (0.0061 mg/L). Metals detected above the mean are; Cu (0.0029 mg/L). nitrate/nitrite (5.05 mg/L), Chloride (53 mg/l), Sulfate (138 mg/L) were detected at concentrations below the mean.
No MCL or HHS exceedences were observed in this well during this sampling event.

Well BSB-A1 (North):

No semi-volatile, volatile, chlorinated acids, or pesticides were detected in the well during this sampling event. In accordance with the modified assessment-monitoring program, a sample for metals analyses was not collected from this well.
There were no inorganic compounds detected at levels above the mean during this sampling event in this well. Chloride (16.0 mg/L), sulfate (80 mg/L), and nitrate/nitrite (0.32 mg/L) were detected at levels below the mean.
No MCL or HHS exceedences were observed in this well during this sampling event.

Well BSB-A5 (Northeast Well):

In accordance with the modified assessment-monitoring program, a sample for metals analyses was not collected from this well. No semi-volatiles, chlorinated acids, or pesticides were detected in the well during this sampling event. Two volatile organic compounds were detected in this well during this sampling event, Tetrachloroethene (ELI 0.68 J µg/L) and cis-1,2-Dichloroethene (ELI 0.89 J µg/L).
Chloride (25 mg/L), and COD (46 mg/L) were detected at levels below the mean.
Sulfate (554 mg/L),and nitrate/nitrite (6.00 mg/L) were detected at levels above the mean. Sulfate exceeds the secondary USEPA MCL of 250 mg/L.

Well BSB-A6-R (Central Well):

Well BSB-A6-R is the replacement well for BSB-A6, removed during the construction of Timber Butte Youth Park. Eleven volatile organic compounds (VOC's) were detected in this well; six of the eleven were detected at levels below the quantification limit. The eleven volatile organic compounds were as follows:

- Acetone (7.3 J ug/L);
- Benzene (0.56 J ug/L);
- Chloroethane (0.60 J ug/L);
- 1,4 – Dichlorobenzene (2.7 ug/L);
- Dichlorodifluoromethane (2.3 ug/L);
- 1,1-DCE (1.8 ug/L);
- Cis-1,2-DCE (9.1 ug/L);
- 1,2-Dichloropropane (0.52 J ug/L);
- Tetrachloroethene (0.49 J ug/L);
- Trichloroethene (0.66 J ug/L);
- Vinyl Chloride (6.7 ug/L).

OLD SILVER BOW LANDFILL
MARCH 2008 GROUNDWATER MONITORING

The March 2008 round of sampling at the Old Silver Bow Landfill included sampling for the full Table 2 list of analytes in accordance with the Assessment Monitoring program. Table 1, attached, summarizes the analytical results. The discussion below compares these data to previous results and to current Maximum Contaminant Levels (MCLs) and Montana Human Health Standards (HHSs).

<u>Well MRMW-2 (up gradient):</u>

No semi-volatiles, chlorinated acids, or pesticides were detected in the well during this sampling event. One volatile organic compound was detected in this well during this sampling event, Chloroform (EL 0.401 ug/L). Metals detected below the mean are: As (0.0015 mg/L), Ba (0.122 mg/L) and V (0.0061 mg/L). Metals detected above the mean are: Cu (0.0029 mg/L), nitrate/nitrite (5.05 mg/L), Chloride (53 mg/L), Sulfate (138 mg/L) were detected at concentrations below the mean.
No MCL or HHS exceedences were observed in this well during this sampling event.

<u>Well BSB-A1 (North):</u>

No semi-volatile, volatile, chlorinated acids, or pesticides were detected in the well during this sampling event. In accordance with the modified assessment-monitoring program, a sample for metals analyses was not collected from this well.
There were no inorganic compounds detected at levels above the mean during this sampling event in this well. Chloride (16.0 mg/L), sulfate (80 mg/L), and nitrate/nitrite (0.32 mg/L) were detected at levels below the mean.
No MCL or HHS exceedences were observed in this well during this sampling event.

<u>Well BSB-A5 (Northeast Well):</u>

In accordance with the modified assessment-monitoring program, a sample for metals analyses was not collected from this well. No semi-volatiles, chlorinated acids, or pesticides were detected in the well during this sampling event. Two volatile organic compounds were detected in this well during this sampling event, Tetrachloroethene (EL 0.08 1 ug/L) and cis-1,2-Dichloroethene (EL 0.89 1 ug/L).
Chloride (25 mg/L) and COD (46 mg/L) were detected at levels below the mean.
Sulfate (354 mg/L) and nitrate/nitrite (6.00 mg/L) were detected at levels above the mean. Sulfate exceeds the secondary USEPA MCL of 250 mg/L.

<u>Well BSB-A6-R (Central Well):</u>

Well BSB-A6-R is the replacement well for BSB-A6, removed during the construction of Timber Butte Youth Park. Eleven volatile organic compounds (VOC's) were detected in this well; six of the eleven were detected at levels below the quantification limit. The eleven volatile organic compounds were as follows:

- Acetone (7.3 1 ug/L);
- Benzene (0.50 1 ug/L);
- Chloroform (0.60 1 ug/L);
- 1,4 – Dichlorobenzene (2.7 ug/L);
- Dichlorodifluoromethane (2.3 ug/L);
- 1,1-DCE (1.8 ug/L);
- Cis-1,2-DCE (9.1 ug/L);
- 1,2-Dichloropropane (0.52 1 ug/L);
- Tetrachloroethene (0.46 1 ug/L);
- Trichloroethene (0.65 1 ug/L);
- Vinyl Chloride (6.7 ug/L).

No other semi-volatiles, chlorinated acids, or pesticides were detected. In accordance with the modified assessment-monitoring program, a sample for metals analyses was not collected from this well.

Chloride (42 mg/L) and. Sulfate (1610 mg/L, mean 2037 mg/L) were detected below their mean values. Sulfate exceeds the secondary USEPA MCL of 250 mg/L.

Well CLK-1 (Clark Tailings North Well):

In accordance with the modified assessment-monitoring program, no samples for organic analyses were collected from this well. The measured concentrations of the majority of metals were relatively low; the detected concentrations of arsenic (0.122 mg/L), cadmium (0.0193 mg/L), Zn (84.42 mg/L) and iron (21.9 mg/L), exceed US EPA MCL or Montana HHS standards.
Sulfate was detected at a concentration of 1400 mg/L, which exceeds the secondary MCL for this compound. Chloride was also detected (31 mg/L), with a mean value of 35 mg/L.

Well CLK-2 (Clark Tailings East Well):

In accordance with the modified assessment-monitoring program, no samples for organic analyses were collected from this well. The measured concentrations of the majority of metals were relatively low; the detected concentrations of arsenic (0.0012 mg/L), and zinc (0.541 mg/L) were low respective to MCLs, secondary MCLs, or Montana HHS concentrations for these metals.
Sulfate was detected at a concentration of 863 mg/L, which exceeds the secondary MCL for this compound. Chloride (53 mg/L) was detected below the mean of (57 mg/L).

Conclusion:

The March 2008 sampling event at the Old Butte-Silver Bow Landfill included sampling according to the modified assessment-monitoring program (see Table 2 for analytical data). The results for metals, inorganics, and organic contaminants obtained from this sampling event were comparable to previous results.
Duplicate samples for BSB-A6R and CLK-2 were collected during this sampling event. A6R for VOA 8260 only and CLK-2 for dissolved metals and inorganic analysis only. A field blank was also collected for dissolved metals and inorganic analysis only. A trip blank was analyzed for the organic analysis at the lab.

No other semi-volatiles, chlorinated acids, or pesticides were detected. In accordance with the modified assessment-monitoring program, a sample for metals analysis was not collected from this well.

Chloride (42 mg/L) and Sulfate (1610 mg/L, mean 2027 mg/L) were detected below their mean values. Sulfate exceeds the secondary UBCPA MCL of 250 mg/L.

Well CLK-1 (Clark Tailings North Well):

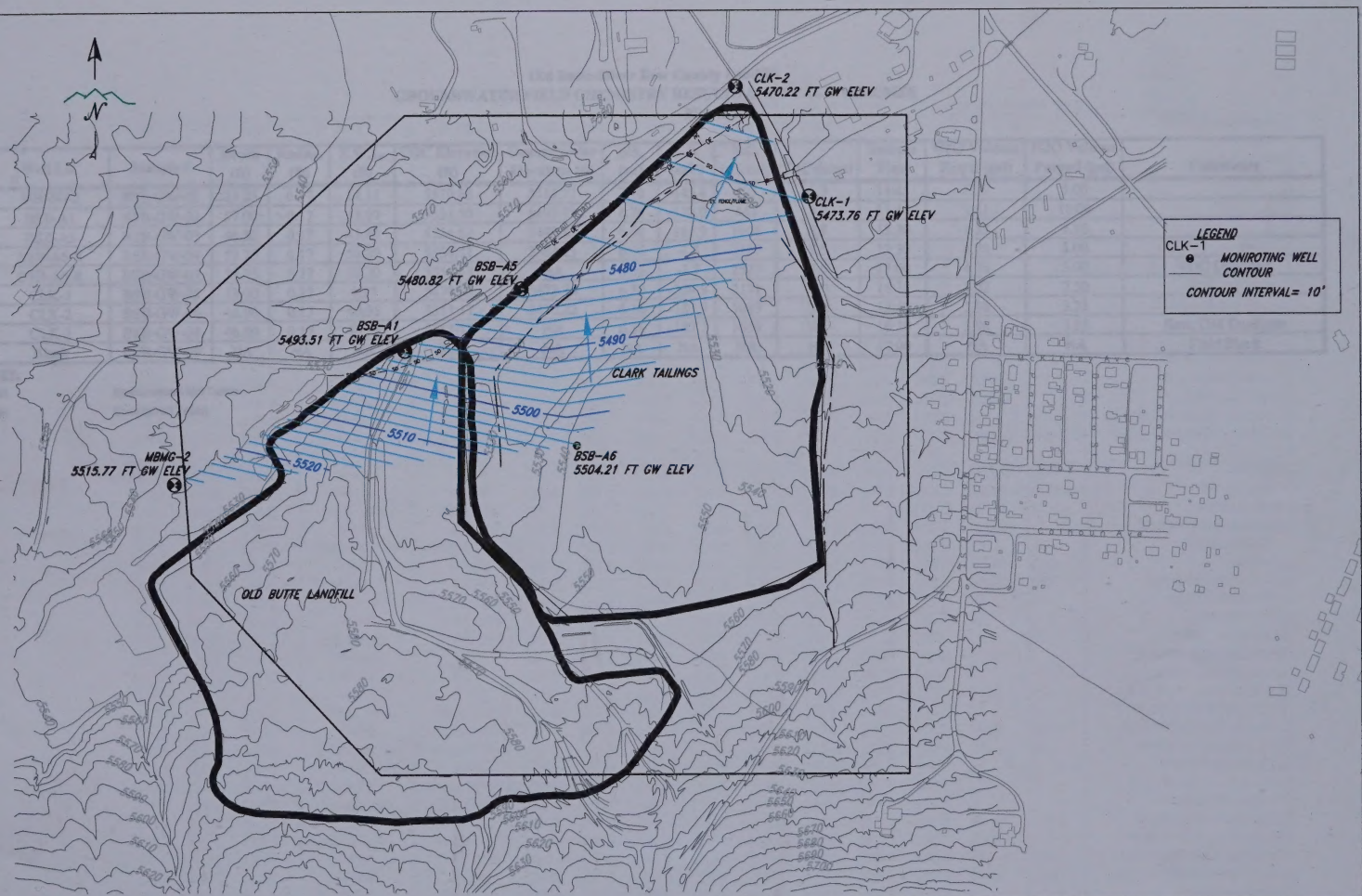
In accordance with the modified assessment-monitoring program, no samples for organic analyses were collected from this well. The measured concentrations of the majority of metals were relatively low; the detected concentrations of arsenic (0.122 mg/L), cadmium (0.0193 mg/L), Zn (84.42 mg/L), and iron (21.9 mg/L), exceed US EPA MCL or Montana HHS standards.
Sulfate was detected at a concentration of 1400 mg/L, which exceeds the secondary MCL for this compound. Chloride was also detected (31 mg/L), with a mean value of 35 mg/L.

Well CLK-2 (Clark Tailings East Well):

In accordance with the modified assessment-monitoring program, no samples for organic analyses were collected from this well. The measured concentrations of the majority of metals were relatively low; the detected concentrations of arsenic (0.0072 mg/L), and zinc (0.541 mg/L) were low relative to MCLs, secondary MCLs, or Montana HHS concentrations for these metals.
Sulfate was detected at a concentration of 863 mg/L, which exceeds the secondary MCL for this compound. Chloride (55 mg/L) was detected below the mean of (57 mg/L).

Conclusion:

The March 2008 sampling event at the Old Butte-Silver Bow Landfill included sampling according to the modified assessment-monitoring program (see Table 2 for analytical data). The results for metals, inorganics, and organic contaminants obtained from this sampling event were comparable to previous results.
Duplicate samples for BSB-AAR and CLK-2 were collected during this sampling event. AAR for VOA 8260 only and CLK-2 for dissolved metals and inorganic analysis only. A field blank was also collected for dissolved metals and inorganic analysis only. A trip blank was analyzed for the organic analysis at the lab.



PIONEER TECHNICAL SERVICES, INC.

FIGURE 2
OLD BSB MUNICIPAL LANDFILL
SITE/CLARK TAILINGS FACILITY
MARCH 2008

SCALE: 1"=600"
DATE: 6/5/08

S:\A1\O\DATA\OLD_BUTTE_LANDFILL\SAMPLING-2008\MARCH 2008 GW.DWG

LEGEND
CLW-1
ABANDONED WELL
CONTOUR
CONTOUR INTERVAL= 10'
CLW-1
3400 FT SW CLIFF
CLW-2
3400 FT SW CLIFF
CLW-3
3400 FT SW CLIFF
CLW-4
3400 FT SW CLIFF
CLW-5
3400 FT SW CLIFF
CLW-6
3400 FT SW CLIFF
CLW-7
3400 FT SW CLIFF
CLW-8
3400 FT SW CLIFF

Old Butte-Silver Bow County Landfill
GROUNDWATER FIELD CHEMISTRY RESULTS AND PURGE VOLUMES
March-08

Well I.D.	Sample #	Depth (ft)	Radius (ft)	S.W.L. (ft)	TOC Elevation (ft)	Groundwater Elevation (ft)	pH. (su)	E.h. (mV)	S.C. (uS/cm)	T (Celsius)	Sample Time	H2O Volume Req'd (gal)	H2O Volume Purged (gal)	Comments
MBMG-2	BSB-GW-01	23.25	0.17	14.11	5529.88	5515.77	7.10	-145.4	663	6.7	14:45	4.57	5.00	
BSB-A1	BSB-GW-02	57.00	0.17	37.99	5531.50	5493.51	6.76	-152.0	443	8.7	11:45	9.51	10.00	
BSB-A5	BSB-GW-03	46.50	0.17	43.80	5524.62	5480.82	6.08	-163.9	1066	8.8	13:30	1.35	1.50	
BSB-A6-R	BSB-GW-04	59.75	0.17	50.20	5554.41	5504.21	6.06	-1.5	2527	8.5	12:30	4.78	5.00	
BSB-A6-R	BSB-GW-07	59.75	0.17	50.20	5554.41	NA	6.06	-1.5	2527	8.5	13:00	4.78	5.00	VOC Duplicate
CLK-1	BSB-GW-05	19.00	0.17	4.97	5478.73	5473.76	6.20	-209.9	2171	7.0	16:15	7.02	7.50	
CLK-2	BSB-GW-06	46.90	0.17	40.95	5511.17	5470.22	6.38	-187.7	1699	10.0	15:40	2.98	3.25	
CLK-2	BSB-GW-08	46.90	0.17	40.95	5511.17	NA	6.38	-187.7	1699	10.0	16:10	2.98	3.25	Raw, DM Duplicate
Blank	BSB-GW-09	NA	NA	NA	NA	NA	NA	NA	NA	NA	17:00	NA	NA	Field Blank

KEY:

NA Measurement Not Taken

SA Sample Not Taken

Old Elm-Silver Bow County Landfill

GROUNDWATER FIELD CHEMISTRY RESULTS AND FENCE VOLUMES

May-06

Well I.D.	Sample #	Depth (ft)	Static Lev (ft)	S.W.L. (ft)	EOC Elevation (ft)	Conductivity Elevation (ft)	pH (su)	E.h. (mV)	S.C. (uS/cm)	T (Celsius)	Sample Time	KCO Volume Req'd (gal)	KCO Volume Pumped (gal)	Comments
MBMW-2		23.22	0.17	34.11	5315.77	5315.77	7.10	-145.4	943	6.7	14:12	4.57	5.00	
BSB-A1	BSB-GW-02	27.00	0.17	37.97	5491.50	5491.57	6.76	-152.0	443	8.7	11:45	9.51	10.00	
BSB-A3	BSB-GW-03	46.50	0.17	43.80	5324.62	5340.62	6.08	-165.9	1066	8.8	13:30	1.15	1.25	
BSB-A5A	BSB-GW-04	59.75	0.17	30.20	5464.41	5504.21	6.06	-1.5	2517	9.5	12:20	4.78	5.00	
BSB-A6 R	BSB-GW-07	50.75	0.17	30.20	5454.11	- NA	6.06	-1.5	2517	8.5	13:00	4.78	5.00	VOC Duplicate
CLK-1	BSB-GW-05	44.00	0.17	46.97	5475.39	5475.39	6.30	-200.9	2177	7.0	15:15	3.03	3.00	
CLK-2	BSB-GW-06	46.40	0.17	40.05	5311.17	5311.17	6.16	-187.1	1669	10.0	15:40	2.97	3.25	
CLK-3	BSB-GW-08	46.40	0.17	40.05	5311.17	NA	6.16	-187.1	1669	10.0	16:10	2.97	3.25	Raw, GW Duplicate
Blank	BSB-GW-09	NA	NA	NA	NA	NA	NA	NA	NA	NA	17:00	NA	NA	Field Blank

Notes:

NA Measurement not Taken

DA Sample not Taken

TABLE 5-3 (updated 05/28/2008)

SILVER BOW COUNTY -OLD LANDFILL GROUNDWATER DATA SUMMARY - ORGANIC CONSTITUENTS (ug/L)

Analyte	STANDARDS MCL	STANDARDS HHS	MBMG-2 Mean	MBMG-2 Median	BSB-A1 Mean	BSB-A1 Median	BSB-A5 Mean	BSB-A5 Median	BSB-A6-R Mean	BSB-A6-R Median	Mean Exceeds Std. or Bkd	Median Exceeds Std. or Bkd.	BLANK Mean	BLANK Median	LAB MDL
			n= 29		n= 31		n= 23		n= 15				n= 20		
Acetone	--	--	3.40	1.65	4.05	1.65	1.79	1.65	4.26	2.71	A1,A6R (bkd)	A6R (bkd)	4.51	1.65	3.3
Benzene	5	5	0.03	0.03	0.03	0.03	0.03	0.03	0.39	0.39	A6R (bkd)	A6R (bkd)	0.03	0.03	0.05
Carbon Disulfide	--	--	0.98	0.05	0.18	0.05	0.10	0.05	0.05	0.05	None	None	0.14	0.05	0.09
Chloroethane	--	--	0.05	0.05	0.05	0.05	0.05	0.05	0.18	0.05	A6R (bkd)	None	0.05	0.05	0.1
Chloroform	--	60	0.48	0.45	0.05	0.05	0.05	0.05	0.06	0.05	None	None	0.10	0.05	0.09
Chloromethane	--	--	0.04	0.04	0.07	0.04	0.04	0.04	0.04	0.04	A1 (bkd)	None	0.13	0.04	0.08
1,2-Dichlorobenzene-8260	600	600	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	None	None	0.09	0.09	0.17
1,4-Dichlorobenzene-8260	75	75	0.06	0.06	0.06	0.06	0.06	0.06	0.45	0.06	A6R (bkd)	None	0.06	0.06	0.12
Dichlorodifluoromethane	--	1400	0.04	0.04	0.05	0.04	0.08	0.04	3.49	3.50	A5,A6R (bkd)	A6R (bkd)	0.04	0.04	0.08
Dichlorofluoromethane	--	--	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	None	None	0.10	0.10	0.2
1,1-Dichloroethane	--	--	0.05	0.05	0.05	0.05	0.06	0.05	2.33	2.50	A6R (bkd)	A6R (bkd)	0.05	0.05	0.09
1,2-Dichloroethane	5	4	0.07	0.06	0.11	0.06	0.07	0.06	0.09	0.06	A1,A6R (bkd)	None	0.30	0.06	0.11
1,1-Dichloroethene	7	7	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	None	None	0.02	0.02	0.04
cis-1,2-Dichloroethene	70	70	0.05	0.05	0.22	0.05	0.90	0.89	6.17	5.50	A1,A5,A6R(bkd)	A5,A6R (bkd)	0.05	0.05	0.09
trans-1,2-Dichloroethene	100	100	0.02	0.02	0.02	0.02	0.02	0.02	0.04	0.02	A6R (bkd)	None	0.02	0.02	0.04
1,2-Dichloropropane	5	5	0.08	0.08	0.08	0.08	0.08	0.08	0.63	0.60	A6R (bkd)	A6R (bkd)	0.08	0.08	0.16
Ethylbenzene	700	700	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	None	None	0.04	0.04	0.08
Methyl Ethyl Ketone	--	--	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	None	None	2.48	2.48	4.95
Methyl Isobutyl Ketone	--	--	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	None	None	0.95	0.95	1.89
Methylene Chloride	5	5	0.03	0.03	0.03	0.03	0.03	0.03	0.46	0.50	A6R (bkd)	A6R (bkd)	2.86	0.03	0.06
Naphthalene	--	28	0.13	0.13	0.13	0.13	0.13	0.13	0.43	0.13	A6R (bkd)	None	0.13	0.13	0.26
Tetrachloroethene	5	5	0.04	0.04	0.52	0.48	1.43	0.69	0.54	0.50	A1,A5,A6R(bkd)	A1,A5,A6R(bkd)	0.04	0.04	0.08
1,1,1-Trichloroethane	200	200	0.05	0.02	0.02	0.02	0.02	0.02	0.02	0.02	None	None	0.02	0.02	0.03
Toluene	1000	1000	0.05	0.05	0.07	0.05	0.05	0.05	0.06	0.05	None	None	0.08	0.05	0.1
Trichloroethene	5	5	0.06	0.06	0.18	0.06	0.29	0.09	0.59	0.64	A1,A5,A6R(bkd)	A5,A6R (bkd)	0.06	0.06	0.12
Trichlorofluoromethane	--	10000	0.07	0.07	0.08	0.07	0.07	0.07	0.07	0.07	None	None	0.07	0.07	0.14
Vinyl Chloride	2	0.15	0.15	0.15	0.15	0.15	0.15	0.15	3.20	2.90	A6R (std)	A6R (std)	0.15	0.15	0.3
m+p Xylenes	10000	10000	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.07	None	None	0.07	0.07	0.14
o-Xylene	10000	10000	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	None	None	0.03	0.04	0.07
			n= 28		n= 30		n= 18		n= 15				n= 3		
1,2-Dichlorobenzene-8270	600	600	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	None	None	0.53	0.53	1.07
1,4-Dichlorobenzene-8270	75	75	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	None	None	0.64	0.64	1.27
Diethylphthalate	--	5600	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	None	None	0.37	0.37	0.73
Di-n-butylphthalate	--	2700	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	None	None	0.29	0.29	0.57
Di-n-octylphthalate	--	--	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	None	None	0.41	0.41	0.82
bis(2-ethylhexyl)phthalate	6	6	0.39	0.39	0.54	0.39	1.24	0.39	1.42	0.39	A1,A5,A6R(bkd)	None	0.39	0.39	0.77
Acenaphthene	--	420	0.29	0.29	0.29	0.29	0.29	0.29	0.34	0.29	A6R (bkd)	None	0.29	0.29	0.58
1-Methylnaphthalene	--	--	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	None	None	0.40	0.40	0.80
2-Methylphenol	--	--	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	None	None	0.37	0.37	0.73
4-Methylphenol/3-Methylphenc	--	--	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	None	None	0.30	0.30	0.60
Phenol	--	300	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	None	None	0.34	0.34	0.67
			n= 24		n= 26		n= 17		n= 14				n= 1		
Picloram	500	500	0.073	0.002	0.002	0.002	0.187	0.002	0.022	0.002	A5, (bkd)	None	0.002	0.002	0.003
2,4,5-T	50	70	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	None	None	0.002	0.002	0.003
2,4-D	70	70	0.011	0.011	0.011	0.011	0.017	0.011	0.011	0.011	None	None	0.011	0.011	0.023
4-Nitrophenol	--	56	0.017	0.005	0.005	0.005	0.005	0.005	0.005	0.005	None	None	0.005	0.005	0.009
Dacthal	--	70	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	None	None	0.0004	0.0004	0.0009
Pentachlorophenol	1	1	0.004	0.004	0.009	0.004	0.004	0.004	0.004	0.004	A1 (bkd)	None	0.004	0.004	0.007

BDL values calculated as equal to one-half the method detection limit (MDL)

TABLE 6-5 (updated 08/28/2008)

SILVER BOW COUNTY -OLD LANDFILL GROUNDWATER DATA SUMMARY - ORGANIC CONSTITUENTS (ug/L)

Analyte	STANDARDS MCL	STANDARDS PHS	MB/MS-2 Mean	MB/MS-2 Median	SB8-A1 Mean	SB8-A1 Median	BS8-A5 Mean	BS8-A5 Median	BS8-A5-R Mean	BS8-A5-R Median	Mean Exceeds Std. or Bkd	Median Exceeds Std. or Bkd	BLANK Mean	BLANK Median	LAB MDL
			n= 26		n= 31		n= 23		n= 15				n= 20		
Acetone	--	--	2.40	1.85	4.05	1.85	1.79	1.85	4.29	2.71	All (bkd)	ABR (bkd)	4.51	1.85	3.3
Benzene	5	5	0.03	0.03	0.05	0.03	0.03	0.03	0.39	0.39	ABR (bkd)	ABR (bkd)	0.03	0.03	0.06
Carbon Disulfide	--	--	0.08	0.05	0.18	0.05	0.10	0.05	0.05	0.05	None	None	0.14	0.05	0.08
Chloroethane	--	--	0.05	0.05	0.06	0.05	0.05	0.05	0.18	0.05	ABR (bkd)	None	0.05	0.05	0.1
Chloroform	--	80	0.48	0.45	0.05	0.05	0.05	0.05	0.06	0.06	None	None	0.15	0.05	0.05
Chloromethane	--	--	0.04	0.04	0.07	0.04	0.04	0.04	0.04	0.04	All (bkd)	None	0.15	0.04	0.08
1,2-Dibromoethane-EDB	0.05	0.05	0.09	0.08	0.09	0.08	0.09	0.07	0.09	0.09	None	None	0.08	0.06	0.17
1,4-Dichlorobenzene-DCB	75	75	0.08	0.07	0.08	0.08	0.08	0.08	0.46	0.08	ABR (bkd)	None	0.08	0.08	0.12
Dichlorodifluoromethane	--	1400	0.04	0.04	0.08	0.04	0.08	0.04	3.49	3.89	AB,ABR (bkd)	ABR (bkd)	0.04	0.04	0.08
1,1-Dichloroethane	--	--	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	None	None	0.10	0.10	0.2
1,1-Dichloroethene	--	--	0.05	0.05	0.06	0.05	0.06	0.05	2.29	2.89	ABR (bkd)	ABR (bkd)	0.05	0.05	0.09
1,2-Dichloroethane	5	4	0.07	0.06	0.11	0.08	0.07	0.08	0.05	0.08	A1,ABR (bkd)	None	0.05	0.06	0.11
1,1-Dichloroethene	7	7	0.02	0.02	0.02	0.02	0.03	0.02	0.03	0.02	None	None	0.02	0.02	0.04
cis-1,2-Dichloroethene	70	70	0.05	0.05	0.05	0.05	0.05	0.05	3.17	5.50	A1,A5,ABR(bkd)	A5,ABR (bkd)	0.05	0.05	0.09
trans-1,2-Dichloroethene	100	100	0.02	0.02	0.02	0.02	0.02	0.02	0.04	0.02	ABR (bkd)	None	0.02	0.02	0.04
1,2-Dichloropropane	5	5	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	ABR (bkd)	ABR (bkd)	0.08	0.08	0.16
Ethylbenzene	700	700	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	None	None	0.04	0.04	0.08
Methyl Ethyl Ketone	--	--	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	None	None	2.46	2.46	4.95
Methyl Isobutyl Ketone	--	--	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	None	None	0.89	0.89	1.86
Methylene Chloride	5	5	0.03	0.02	0.03	0.03	0.03	0.03	0.40	0.40	ABR (bkd)	ABR (bkd)	2.28	0.02	0.05
Naphthalene	--	28	0.13	0.13	0.13	0.13	0.13	0.13	0.46	0.13	ABR (bkd)	None	0.13	0.13	0.28
Tetrachloroethene	5	5	0.04	0.04	0.82	0.46	1.40	0.82	0.82	0.82	A1,A5,ABR(bkd)	A1,A5,ABR(bkd)	0.04	0.04	0.08
1,1,1-Trichloroethane	200	200	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	None	None	0.02	0.02	0.04
Toluene	1000	1000	0.08	0.08	0.07	0.06	0.08	0.06	0.05	0.05	None	None	0.08	0.05	0.1
Trichloroethene	5	5	0.06	0.06	0.18	0.06	0.29	0.09	0.89	0.64	A1,A5,ABR(bkd)	A5,ABR (bkd)	0.06	0.06	0.12
Trichlorofluoromethane	--	10000	0.07	0.06	0.08	0.07	0.07	0.07	0.07	0.07	None	None	0.07	0.07	0.14
Vinyl Chloride	2	0.15	0.15	0.15	0.15	0.15	0.15	0.15	3.20	2.00	ABR (bkd)	ABR (bkd)	0.15	0.15	0.3
m+p Xylenes	10000	10000	0.07	0.07	0.07	0.07	0.07	0.07	0.05	0.05	None	None	0.07	0.07	0.14
o-Xylene	10000	10000	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	None	None	0.03	0.04	0.07
			n= 28		n= 30		n= 18		n= 15				n= 3		
1,2-Dichlorobenzene-8270	600	600	0.82	0.84	0.82	0.85	0.83	0.85	0.83	0.83	None	None	0.84	0.85	1.67
1,4-Dichlorobenzene-8270	75	75	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	None	None	0.84	0.84	1.67
Diethylphthalate	--	6000	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	None	None	0.37	0.37	0.73
Di-n-butylphthalate	--	2700	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	None	None	0.29	0.29	0.57
Di-n-octylphthalate	--	--	0.41	0.47	0.41	0.41	0.41	0.41	0.47	0.47	None	None	0.41	0.41	0.82
bis(2-ethylhexyl)phthalate	6	6	0.39	0.39	0.54	0.29	1.24	0.39	1.42	0.39	A1,A5,ABR(bkd)	None	0.39	0.39	0.77
Acenaphthene	--	420	0.29	0.29	0.29	0.29	0.29	0.29	0.34	0.29	ABR (bkd)	None	0.29	0.29	0.58
4-Methylphenol	--	--	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	None	None	0.40	0.40	0.80
2-Methylphenol	--	--	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	None	None	0.37	0.37	0.73
4-Methylphenol/3-Methylphenol	--	--	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	None	None	0.30	0.30	0.60
Phenol	--	200	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	None	None	0.34	0.34	0.67
			n= 24		n= 25		n= 17		n= 14				n= 1		
Polonium	500	500	0.075	0.002	0.002	0.002	0.187	0.002	0.022	0.022	All (bkd)	None	0.002	0.002	0.005
2,4,5-T	80	70	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	None	None	0.002	0.002	0.005
2,4-D	70	70	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	None	None	0.011	0.011	0.022
4-Methylphenol	--	36	0.017	0.005	0.005	0.005	0.005	0.005	0.005	0.005	None	None	0.005	0.005	0.009
Dalapon	--	70	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	None	None	0.0004	0.0004	0.0008
Pentachlorophenol	1	1	0.004	0.004	0.005	0.004	0.004	0.004	0.004	0.004	All (bkd)	None	0.004	0.004	0.007

- BDL values calculated as equal to one-half the method detection limit (MDL)

TABLE I: ANALYTICAL DATA FOR GROUNDWATER SAMPLES, OLD SILVER BOW COUNTY LANDFILL
DATE SAMPLED: March , 12 2008

SAMPLE NUMBER / WELL / ANALYTE (units):	BSB-GW-01 MBMG-2	BSB-GW-02 BSB-A1	BSB-GW-03 BSB-A5	BSB-GW-04 BSB-A6-R	BSB-GW-05 CLK-1	BSB-GW-06 CLK-2	BSB-GW-07 BSB-A6R DUPE	BSB-GW-08 CLK-2 DUPE	BSB-GW-09 Field Blank Trip Blank	GW PROTECTION STANDARDS USEPA MCL*	GW PROTECTION STANDARDS MONTANA HHS	GW PROTECTION STANDARDS USEPA MCL*	GW PROTECTION STANDARDS MONTANA HHS
DISSOLVED METALS (mg/L)													
Antimony	< 0.150	NR	NR	NR	< 0.500	< 0.050	NR	< 0.050	< 0.050	0.006	0.014	0.006	0.014
Arsenic	0.0015	NR	NR	NR	0.122	0.0012	NR	0.0010	< 0.001	0.05	0.018	0.05	0.018
Barium	0.122	NR	NR	NR	0.031	0.020	NR	0.020	< 0.0005	2	1	2	1
Beryllium	< 0.00100	NR	NR	NR	< 0.00100	< 0.01000	NR	< 0.00100	< 0.001	0.004	0.040	0.004	0.040
Cadmium	< 0.00100	NR	NR	NR	0.0193	< 0.00100	NR	< 0.00100	< 0.001	0.005	0.005	0.0050	0.0050
Chromium	< 0.0500	NR	NR	NR	< 0.1600	< 0.0160	NR	< 0.0160	< 0.016	0.1	0.1	0.1	0.1
Cobalt	not reported	NR	NR	NR	not reported	not reported	NR	not reported	not reported	---	---	---	---
Copper	0.0029	NR	NR	NR	0.0255	0.0065	NR	0.0064	< 0.0002	1.3 (a)	1	1.3 (a)	1
Iron	< 0.05	NR	NR	NR	21.9	< 0.0140	NR	< 0.0140	< 0.0140	0.3 (s)	0.3	0.3	0.3
Lead	< 0.00100	NR	NR	NR	< 0.00100	< 0.00100	NR	< 0.00100	< 0.001	0.015 (a)	0.015	0.015 (a)	0.015
Mercury	< 0.0001	NR	NR	NR	< 0.0001	< 0.0001	NR	< 0.0001	< 0.0001	0.002	0.00014	0.002	0.00014
Nickel	< 0.001	NR	NR	NR	0.0217	0.0218	NR	0.0218	< 0.001	0.1	0.1	0.1	0.1
Selenium	< 0.0010	NR	NR	NR	< 0.0010	< 0.0010	NR	< 0.0010	< 0.001	0.05	0.05	0.05	0.05
Silver	< 0.00100	NR	NR	NR	< 0.00100	< 0.00100	NR	< 0.00100	< 0.001	0.1 (s)	---	0.1	---
Thallium	< 0.00100	NR	NR	NR	< 0.00100	< 0.00100	NR	< 0.00100	< 0.001	0.002	0.0017	0.002	0.0017
Tin	NR	NR	NR	NR	NR	NR	NR	NR	NR				
Vanadium	0.0061	NR	NR	NR	< 0.038	< 0.0038	NR	< 0.0038	< 0.0038	---	---	---	---
Zinc	< 0.0500	NR	NR	NR	84.4	0.541	NR	0.580	< 0.015	5 (s)	5	5	5
INORGANICS (mg/L)													
Chloride	53	16	25	42	31	53	NR	54	< 0.00025	250 (s)	---	250	---
COD	40.0	< 10.0	46.0	467.0	NR	NR	NR	NR	NR	---	---	---	---
Conductivity (umhos/cm)	736	466	1178	2800	2300	1883	NR	1888	< 1.0	---	---	---	---
Cyanide	< 0.005	< 0.005	< 0.005	< 0.005	NR	NR	NR	NR	NR	---	---	---	---
Nitrate\Nitrite - N	5.05	0.32	1.68	< 0.05	NR	NR	NR	NR	NR	10	---	10	---
pH	7.0	7.1	6.0	5.9	6.1	6.4	NR	6.4	7.6				
Sulfate	138	80	554	1610	1400	863	NR	875	< 0.0005	250 (s)	---	250	---
Sulfide	< 1.00	< 1.00	< 1.00	4.45	NR	NR	NR	NR	NR				
EPA METHOD 8260 (ug/L)													
Acetone	< 20.0	< 20.0	< 20.0	(ELI 7.3 J)< 20.0	NR	NR	(ELI 6.3 J)< 20.0	NR	< 20.0				
Benzene	< 1.0	< 1.0	< 1.0	(ELI 0.56 J)< 1.0	NR	NR	(ELI 0.50 J)< 1.0	NR	< 1.0				
Carbon Disulfide	< 1.0	< 1.0	< 1.0	< 1.0	NR	NR	< 1.0	NR	< 1.0	---	---	---	---
Chloroethane	< 1.0	< 1.0	< 1.0	(ELI 0.60 J)< 1.0	NR	NR	(ELI 0.47 J)< 1.0	NR	< 1.0				
Chloroform	(ELI 0.40J)< 1.0	< 1.0	< 1.0	< 1.0	NR	NR	< 1.0	NR	< 1.0	---	57	---	57
Chlormethane	< 1.0	< 1.0	< 1.0	< 1.0	NR	NR	< 1.0	NR	< 1.0				
1,4-Dichlorobenzene	< 1.0	< 1.0	< 1.0	2.7	NR	NR	2.3	NR	< 1.0				
Dichlorodiflouromethane	< 1.0	< 1.0	< 1.0	2.3	NR	NR	2.2	NR	< 1.0				
1,1-Dichloroethane	< 1.0	< 1.0	< 1.0	1.8	NR	NR	1.7	NR	< 1.0				
1,2-Dichloroethane	< 1.0	< 1.0	< 1.0	< 1.0	NR	NR	< 1.0	NR	< 1.0				
cis-1,2-Dichloroethene	< 1.0	< 1.0	(ELI 0.89 J)< 1.0	9.1	NR	NR	7.8	NR	< 1.0	70	70	70	70
trans-1,2-Dichloroethene	< 1.0	< 1.0	< 1.0	< 1.0	NR	NR	< 1.0	NR	< 1.0				
1,2-Dichloropropane	< 1.0	< 1.0	< 1.0	(ELI 0.52 J)< 1.0	NR	NR	(ELI 0.52 J)< 1.0	NR	< 1.0				
4-Isopropyltoluene	< NR	NR	NR	NR	NR	NR	NR	NR	NR				
Methylene Chloride	< 1.0	< 1.0	< 1.0	< 1.0	NR	NR	< 1.0	NR	< 1.0				
Naphthalene	< 1.0	< 1.0	< 1.0	< 1.0	NR	NR	< 1.0	NR	< 1.0				
Tetrachloroethene	< 1.0	< 1.0	(ELI 0.68 J)< 1.0	(ELI 0.49J)< 1.0	NR	NR	(ELI 0.45J)< 1.0	NR	< 1.0	5	8	5	8
Trichloroethene	< 1.0	< 1.0	< 1.0	(ELI 0.66 J)< 1.0	NR	NR	(ELI 0.55 J)< 1.0	NR	< 1.0				
1,2,4-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR				
Vinyl Chloride	< 1.0	< 1.0	< 1.0	6.7	NR	NR	5.7	NR	< 1.0				
EPA METHOD 8270 (ug/L)													
bis(2-ethylhexyl)Phthalate	< 10	< 10	< 10	< 10	NR	NR	NR	NR	NR				
EPA METHOD 8151 (ug/L)	ND	ND	ND	ND	NR	NR	NR	NR	NR				
EPA METHOD 8081 (ug/L)	ND	ND	ND	ND	NR	NR	NR	NR	NR				

* MCL definitions: a = action level, not an MCL; s = secondary MCL (aesthetics)
NA = Not enough sample available for analysis
NR = Analysis Not Requested
ND = Analyte Not Detected
J = Estimated Quantity. Analyte present, but less than the practical quantitation limit (PQL).
NS= Sample Not Collected (Frozen Well-CLK-1)
SA = Sample Not Taken

Bolded values are above the MCL, italicized bold values are above the State HHS.

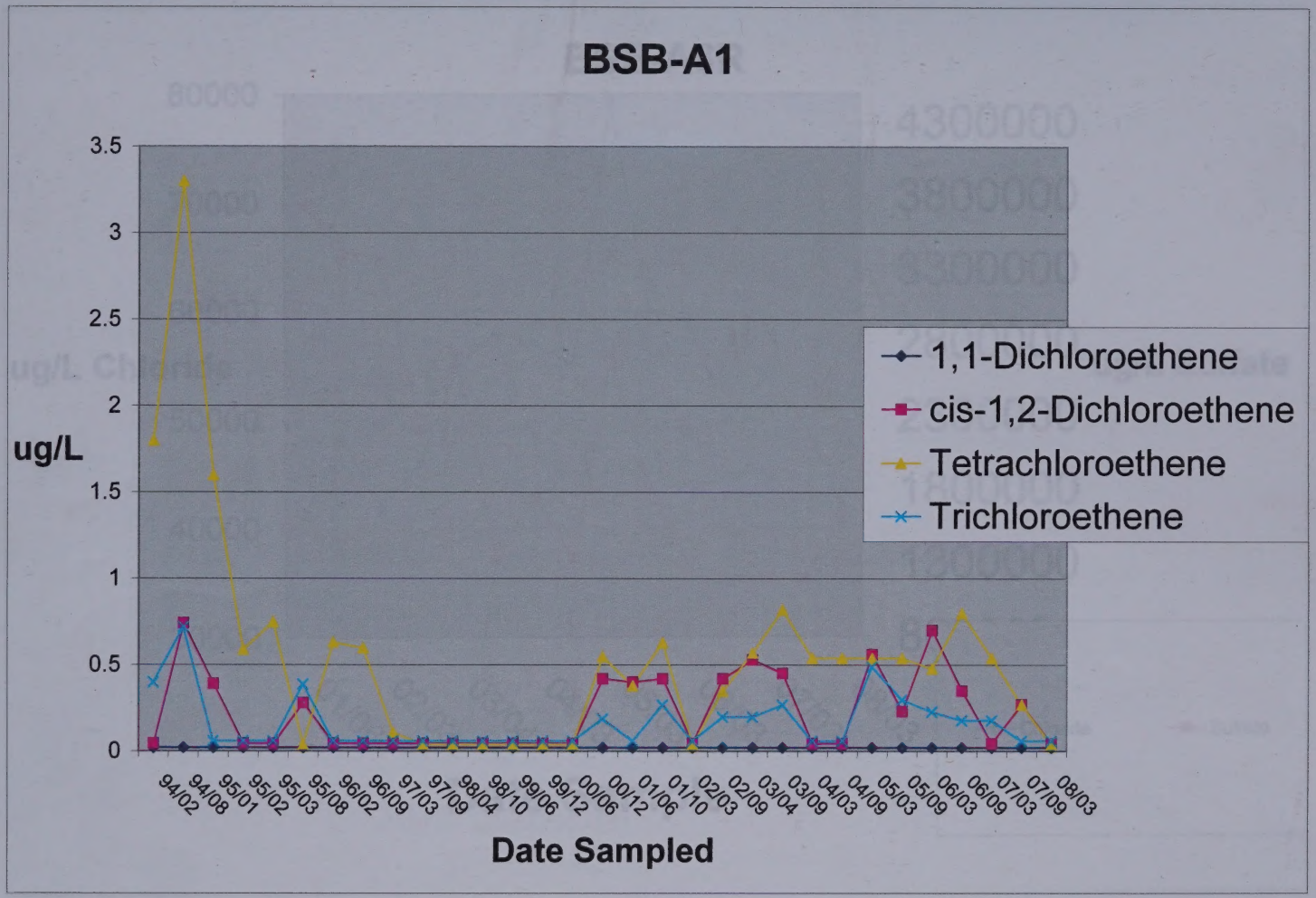
TABLE 5-2 (updated05/28/2008)
SILVER BOW COUNTY -OLD LANDFILL GROUNDWATER DATA SUMMARY
INORGANIC CONSTITUENTS (ug/L)

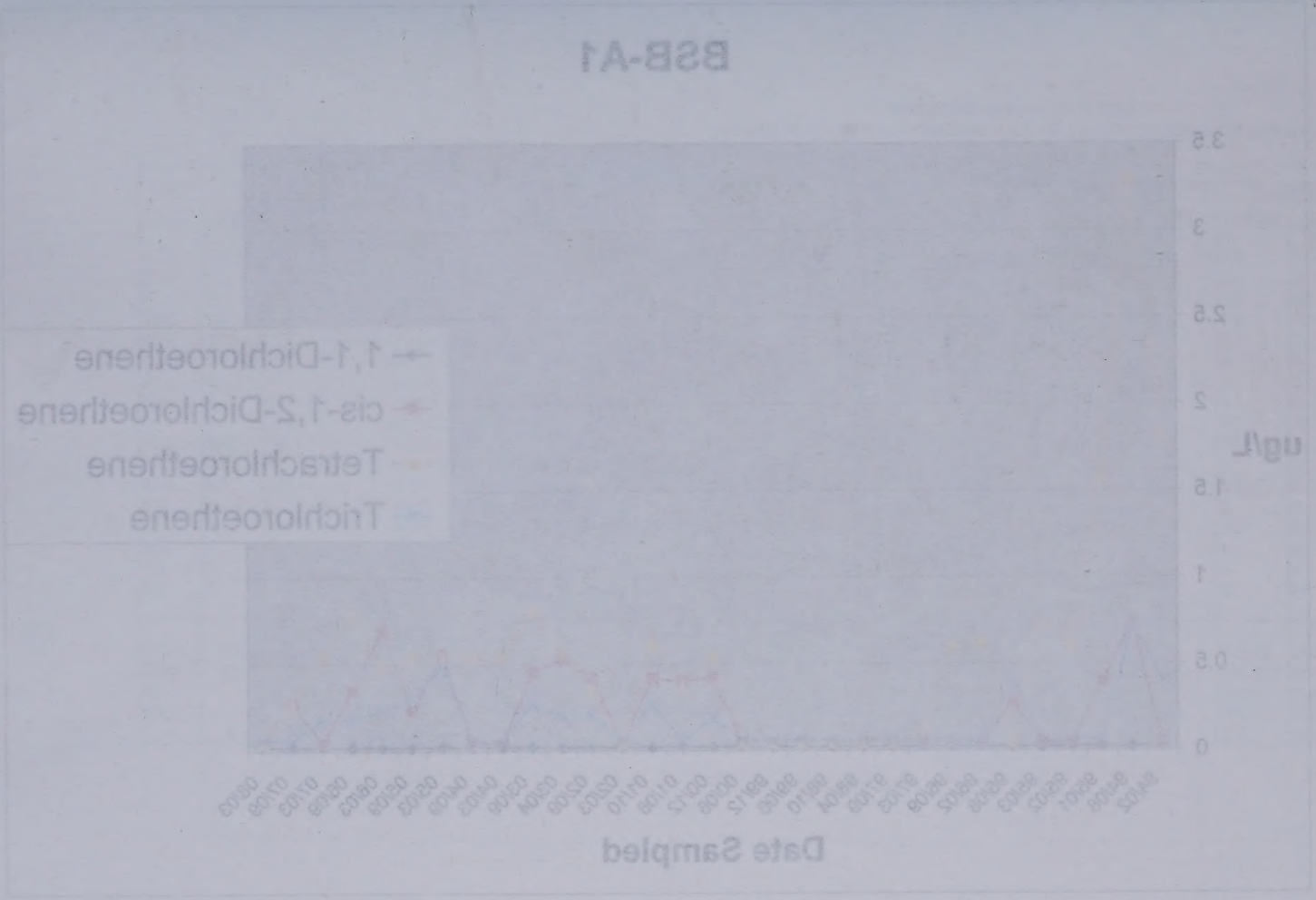
	STANDARDS														Mean	Median			
	USEPA	MT GW	MBMG-2		BSB-A1		BSB-A5		BSB-A6R		CLK-1		CLK-2		Exceeds	Exceeds	BLANK		LAB
Analyte	MCL*	HHS	Mean	Median	Mean	Median	Mean	Median	Mean	Median	Mean	Median	Mean	Median	Std. or Bkd.	Std. or Bkd.	Mean	Median	MDL
			n=29		n=8		n=4		n=0		n=24		n=23				n=18		
Ag	--	100	0.1	0.1	0.8	0.1	0.1	0.1	--	--	0.3	0.1	0.3	0.1	CLK1,CLK2(bkd)	None	0.8	0.1	0.21
As	50	20	2	2	2	2	3	2	--	--	77	89	2	2	CLK1 (std)	CLK1 (std)	1	1	0.11
Ba	2,000	2,000	139	137	88	79	26	27	--	--	32	31	28	27	None	None	1	0	1
Be	4	4	0.2	0.1	0.5	0.6	0.2	0.1	--	--	0.4	0.4	0.1	0.1	CLK1(bkd)	CLK1(bkd)	0.1	0.1	0.07
Cd	5	5	0.1	0.1	0.2	0.2	0.0	0.0	--	--	9.7	8.5	0.4	0.3	CLK1(std),CLK2(bkd)	CLK1(std),CLK2(bkd)	0.03	0.03	0.05
Co	--	--	4	4	4	4	4	4	--	--	78	76	4	4	CLK1 (bkd)	CLK1 (bkd)	4	4	8.5
Cr	100	100	4	4	5	4	4	4	--	--	34	4	4	4	CLK1 (bkd)	None	4	4	10
Cu	1,300(a)	1,300	2	2	2	2	2	2	--	--	5	2	4	2	CLK1,CLK2 (bkd)	None	2	2	1.3
Fe	--	300	130	9	25	22	36	36	--	--	21,265	21,400	213	9	CLK1(std)CLK2(bkd)	CLK1(std)	10	9	10
Hg	2	2	0.06	0.05	0.09	0.05	0.10	0.07	--	--	0.06	0.05	0.10	0.05	CLK2 (bkd)	None	0.07	0.05	0.11
Ni	--	100	7	7	7	7	7	7	--	--	111	7	17	10	CLK1(std),CLK2(bkd)	CLK2 (bkd)	7	7	13.3
Pb	15(a)	15	0.7	0.5	0.8	0.5	0.8	0.5	--	--	1.1	0.5	0.8	0.5	CLK1,CLK2 (bkd)	None	0.2	0.5	0.10
Sb	6	6	1	1	3	1	2	2	--	--	17	1	1	1	CLK1 (std)	None	2	1	0.1
Se	50	50	1.1	0.4	0.6	0.4	0.4	0.4	--	--	2.6	0.4	1.8	0.4	CLK1,CLK2(bkd)	None	0.6	0.4	0.53
Tl	2	2	1	1	4	5	3	1	--	--	0	0	1	0	None	None	0	1	0.04
V	--	--	8	8	3	3	3	3	--	--	5	3	3	3	None	None	2	3	2.1
Zn	--	2,000	13	5	12	12	14	12	--	--	98,750	95,800	391	539	CLK1(std)CLK2(bkd)	CLK1(std)CLK2(bkd)	7	5	5.3
			n=29		n=31		n=19		n=15		n=21		n=22				n=4		
Chloride	250,000(s)	--	57,024	57,000	17,029	17,000	25,532	25,000	53,107	54,000	34,543	34,000	57,405	61,800	CLK2 (bkd)	CLK2 (bkd)	0.1	0.1	5000
Sulfate	250,000(s)	--	150,207	144,000	97,574	88,000	586,789	558,000	2,037,000	1,750,000	1,703,000	1,620,000	839,636	825,000	A5, A6R,C1,2 (std)	A5, A6R,C1,2 (std)	2.5	2.5	5000
Nitrate	10,000	10,000	7,049	6,610	583	550	2,631	2,630	46	25	--	--	--	--	None	None	--	--	50
COD	--	--	38,266	16,000	31,642	18,000	54,400	12,000	301,827	28,300	--	--	--	--	A5, A6R (bkd)	A1,A6R (bkd)	--	--	5000
SC	--	--	764	763	491	473	1,189	1,200	3,085	2,790	2,653	2,580	1,819	1,840	A5, A6R,C1,2(bkd)	A5, A6R,C1,2(bkd)	0	0	--

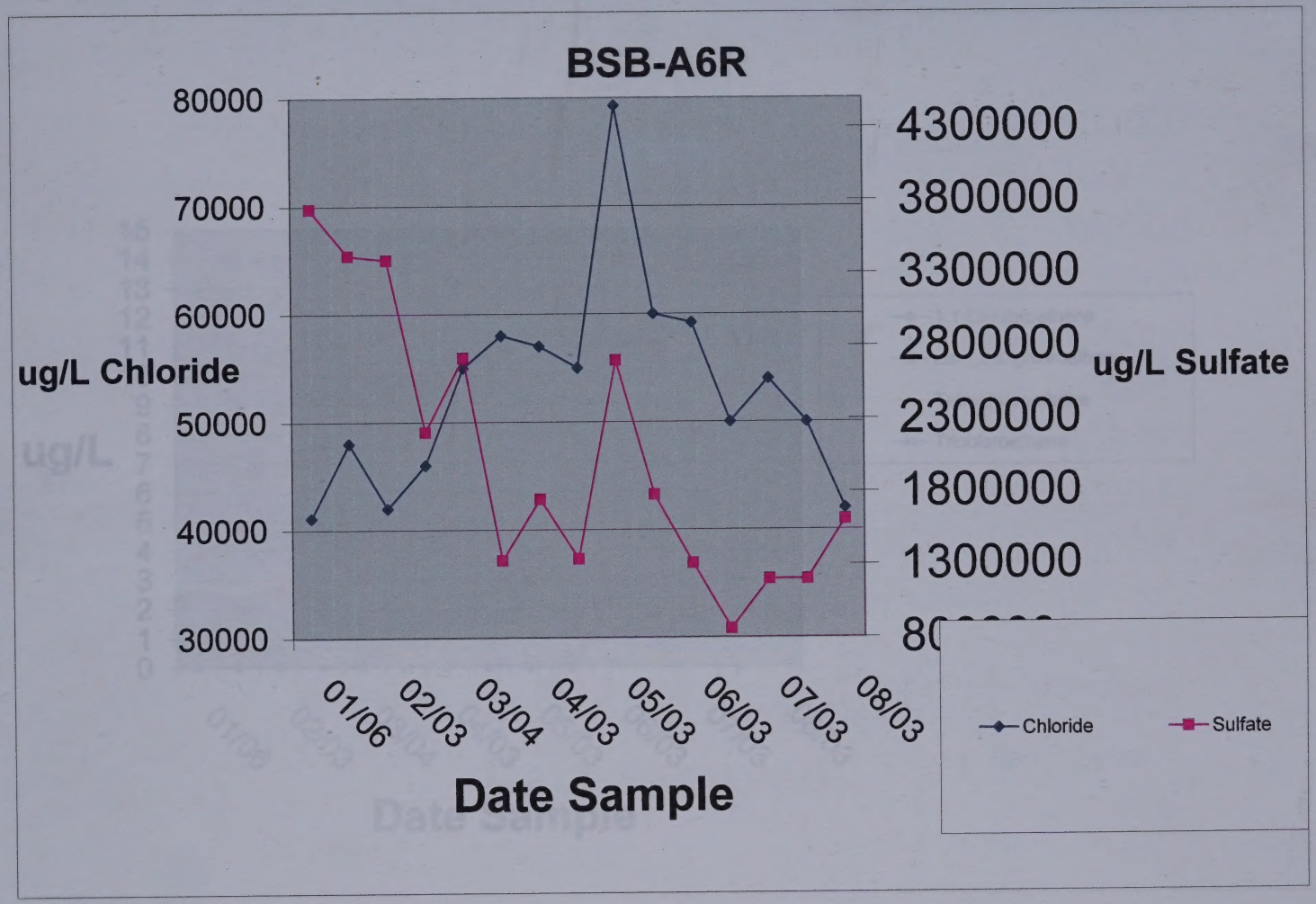
* MCL definitions: a = action level, not a MCL; s = secondary MCL (asthetics)
BDL values calculated as equal to one half the method detection limit (MDL)

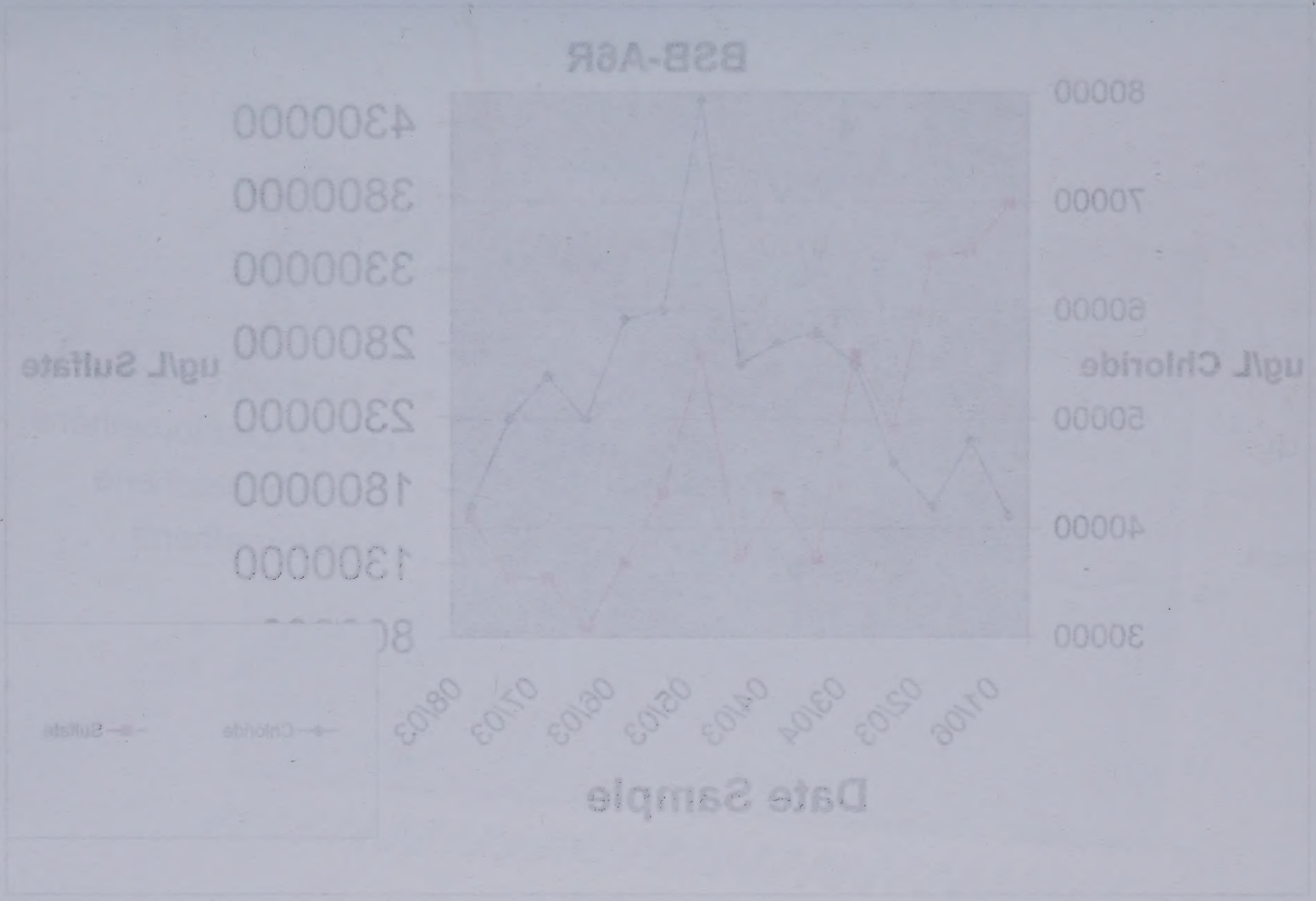
TABLE 5-3 (subsequent)
SILVER BOW COUNTY -OLD LANDFILL GROUNDWATER DATA SUMMARY
INORGANIC CONSTITUENTS (ug/L)

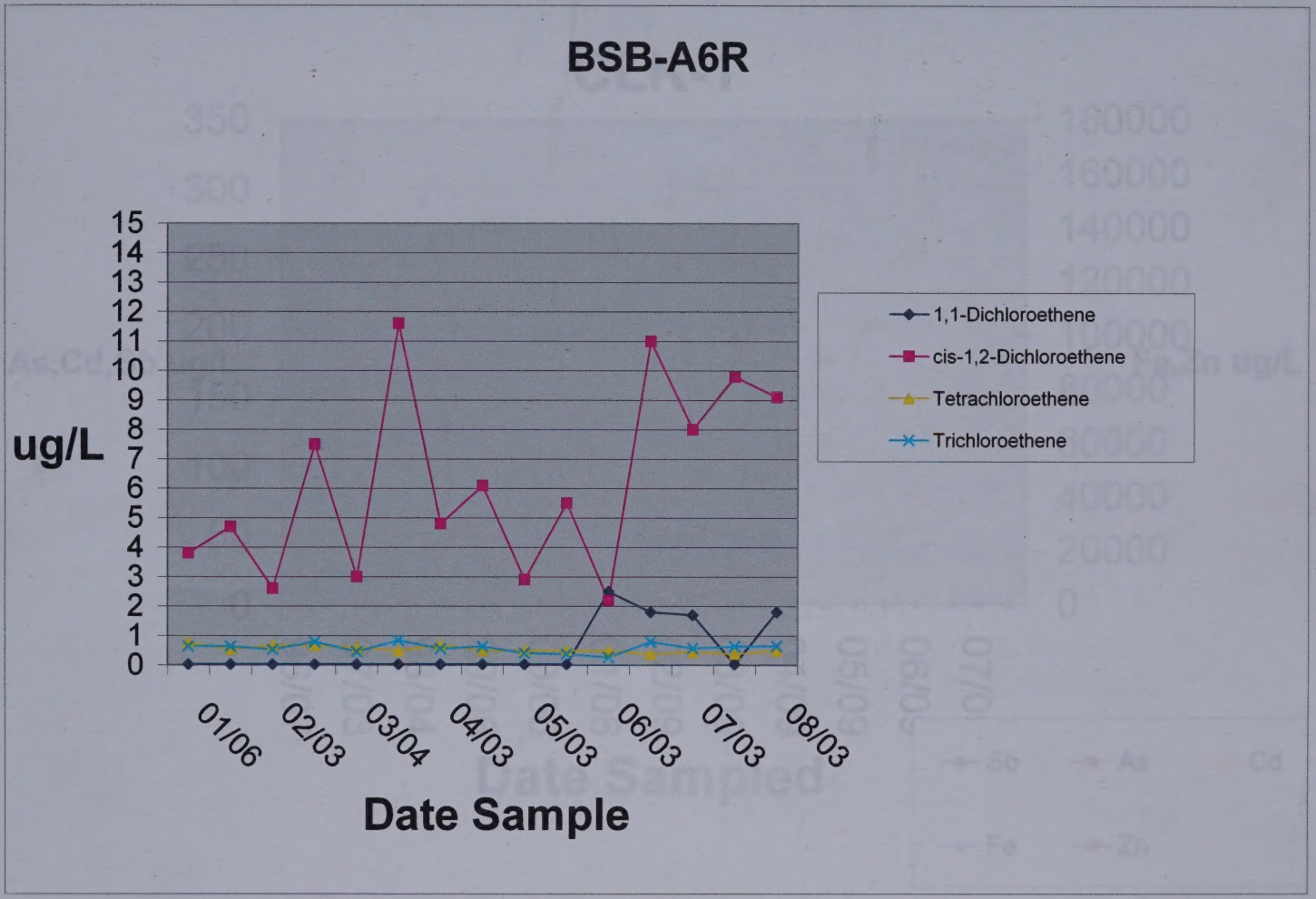
| | STANDARDS | | |

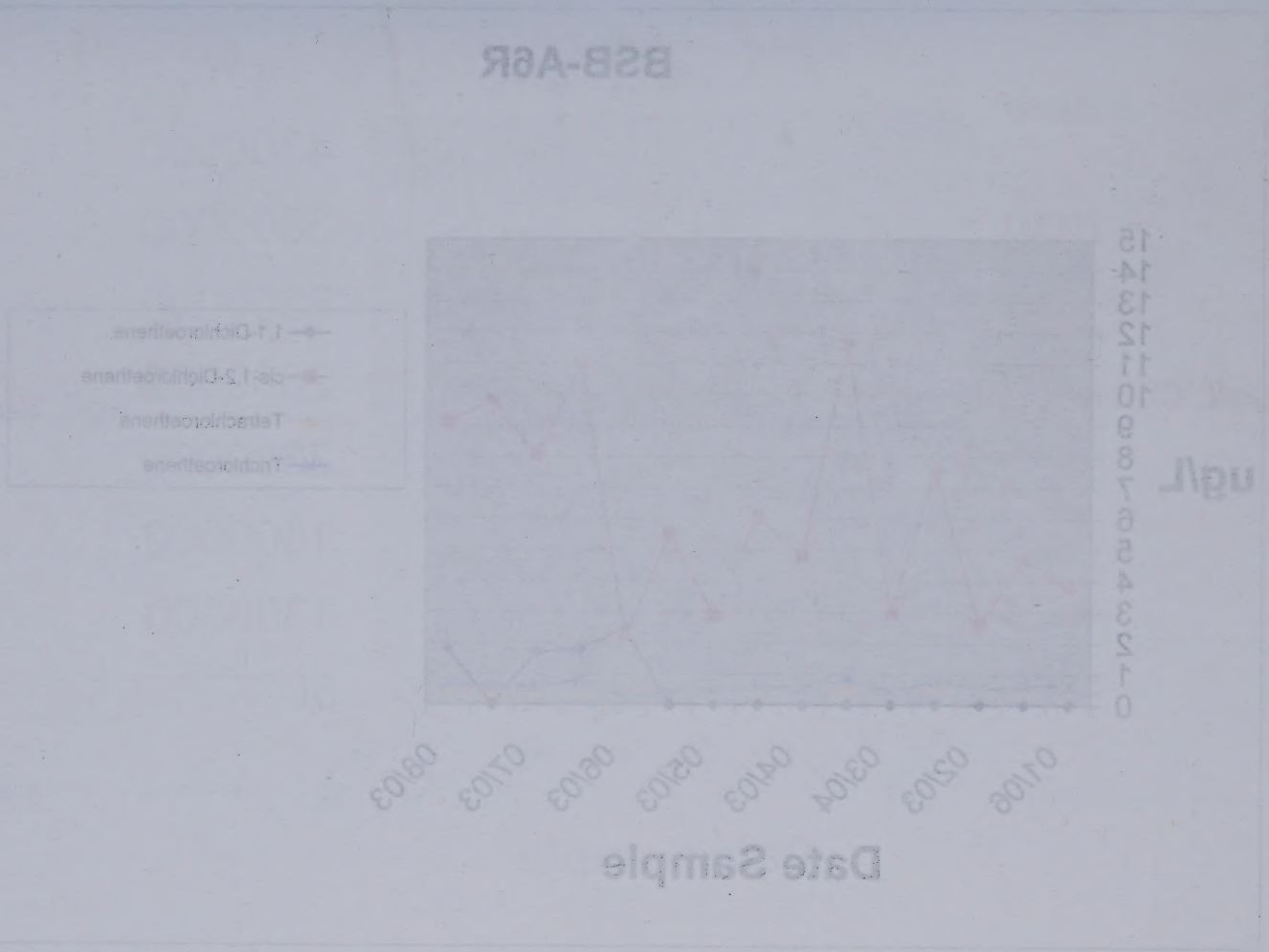

BSB-A1
3.5
3
2.5
2
1.5
1
0.5
0
ug/L
1,1-Dichloroethene
cis-1,2-Dichloroethene
Tetrachloroethene
Trichloroethene
94/02
94/08
95/01
95/02
95/03
95/08
96/02
96/09
97/03
97/09
98/04
98/10
99/06
99/12
00/06
00/12
01/06
01/10
02/03
02/09
03/04
03/09
04/03
04/09
05/03
05/09
06/03
06/09
07/03
07/09
08/03
Date Sampled

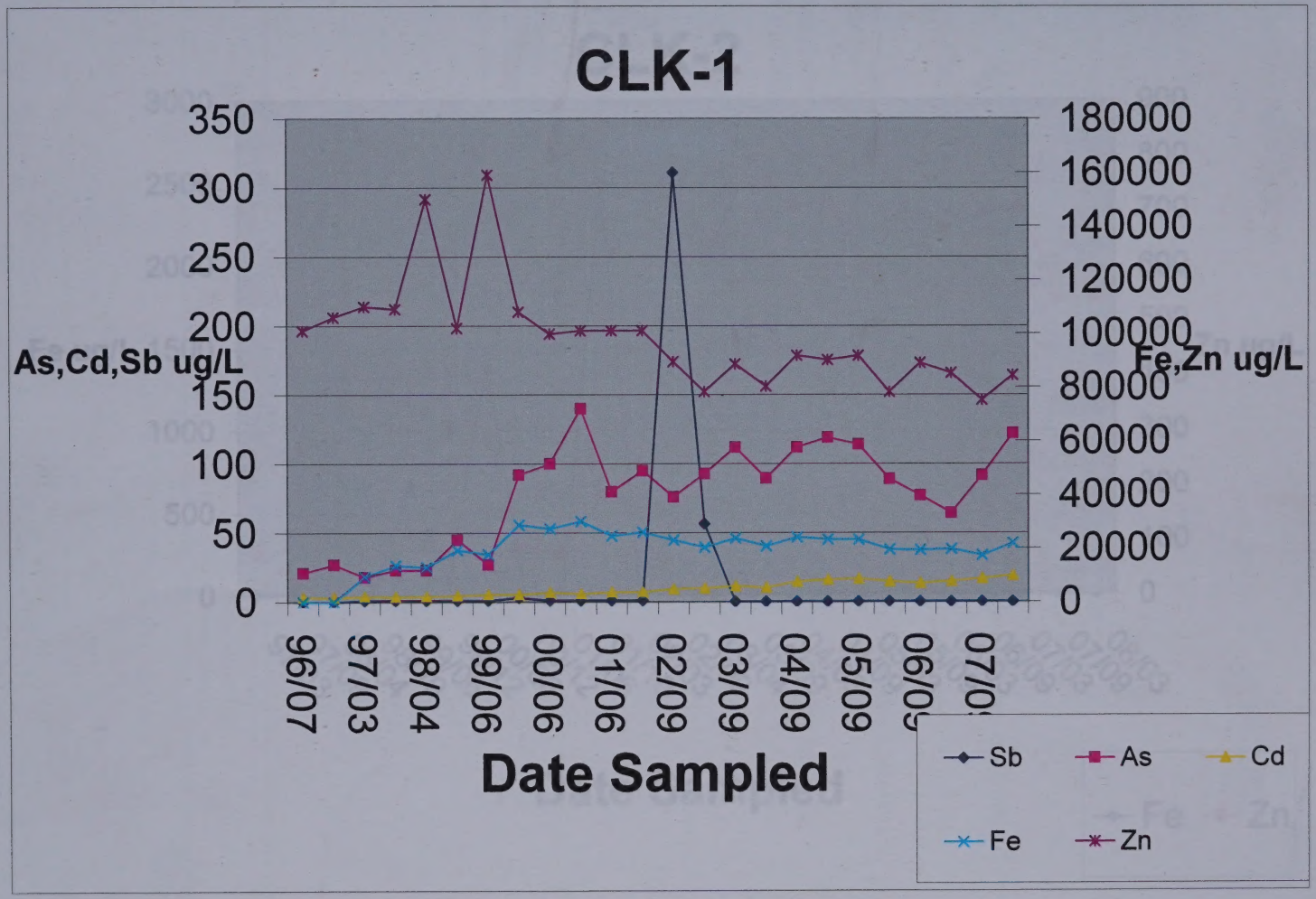

BSB-A1
1,1-Dichloroethene
cis-1,2-Dichloroethene
Tetrachloroethene
Trichloroethene
ug/L
3.5
3
2.5
2
1.5
1
0.5
0
Date Sampled


BSB-A6R
80000
70000
60000
50000
40000
30000
ug/L Chloride
4300000
3800000
3300000
2800000
2300000
1800000
1300000
ug/L Sulfate
01/06
02/03
03/04
04/03
05/03
06/03
07/03
08/03
Date Sample
Chloride
Sulfate


BSB-A6R
ug/L Sulfate
43000000
38000000
33000000
28000000
23000000
18000000
13000000
8000000
ug/L Chloride
80000
70000
60000
50000
40000
30000
08/03
07/03
06/03
05/03
04/03
03/04
02/03
01/06
Date Sample
Chloride
Sulfate


BSB-A6R
ug/L
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0
01/06
02/03
03/04
04/03
05/03
06/03
07/03
08/03
Date Sample
1,1-Dichloroethene
cis-1,2-Dichloroethene
Tetrachloroethene
Trichloroethene


BSB-A6R
ug/L
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
Date Sample
07/06
02/03
03/04
04/03
05/03
06/03
07/03
08/03
t, 1-Dichloroethene
cis-1,2-Dichloroethene
Tetrachloroethene
Trichloroethene


CLK-1
As,Cd,Sb ug/L
Fe,Zn ug/L
350
300
250
200
150
100
50
0
180000
160000
140000
120000
100000
80000
60000
40000
20000
0
96/07
97/03
98/04
99/06
00/06
01/06
02/09
03/09
04/09
05/09
06/09
07/09
Date Sampled
Sb
As
Cd
Fe
Zn

Data Sampled
CLK-1
As,Cd,Sp mg/L
Fe,Zn mg/L
0
50
100
150
200
250
300
350
0
20000
40000
60000
80000
100000
120000
140000
160000
180000
8/16/97
8/17/03
8/18/04
8/19/09
8/20/00
8/21/09
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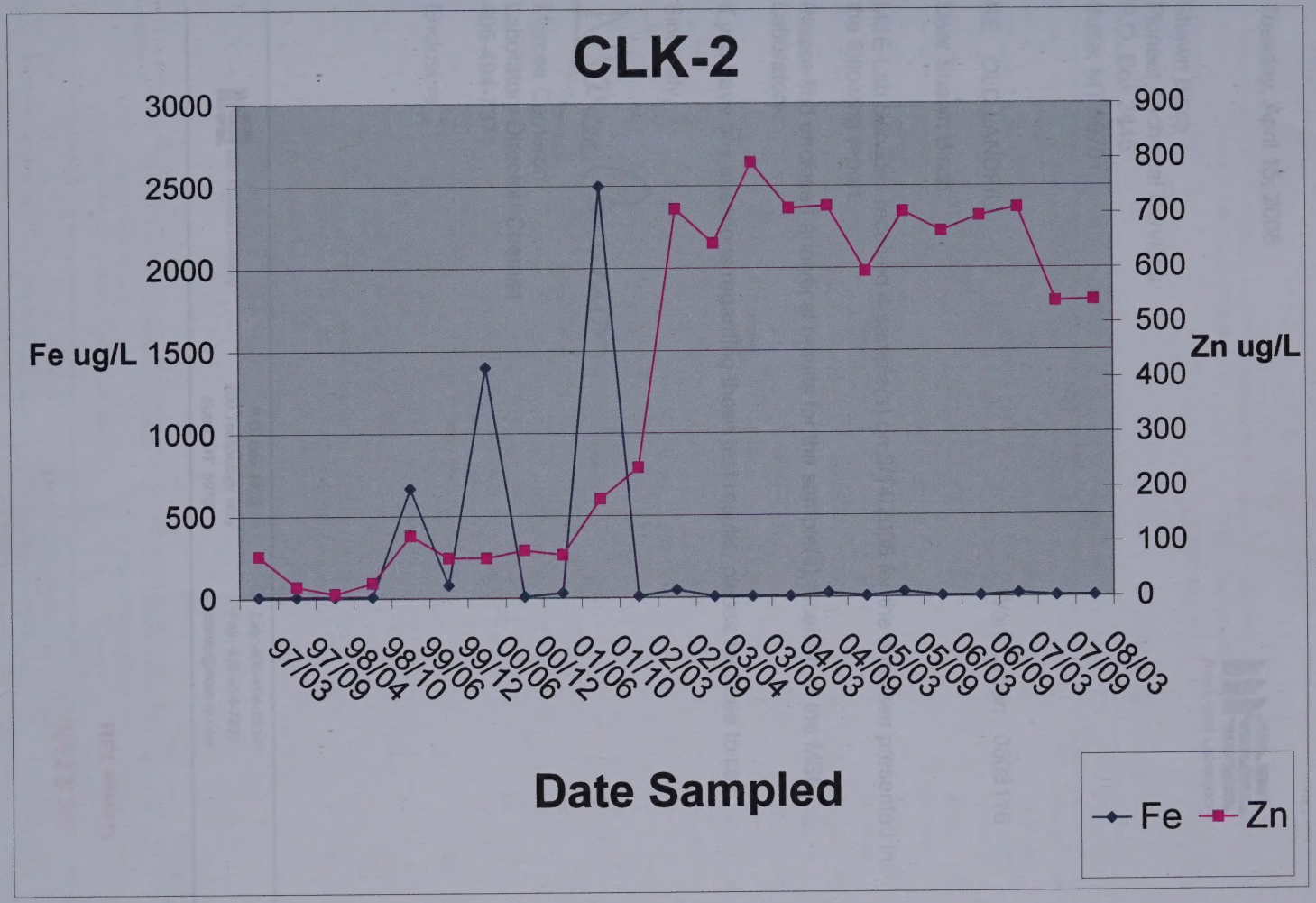
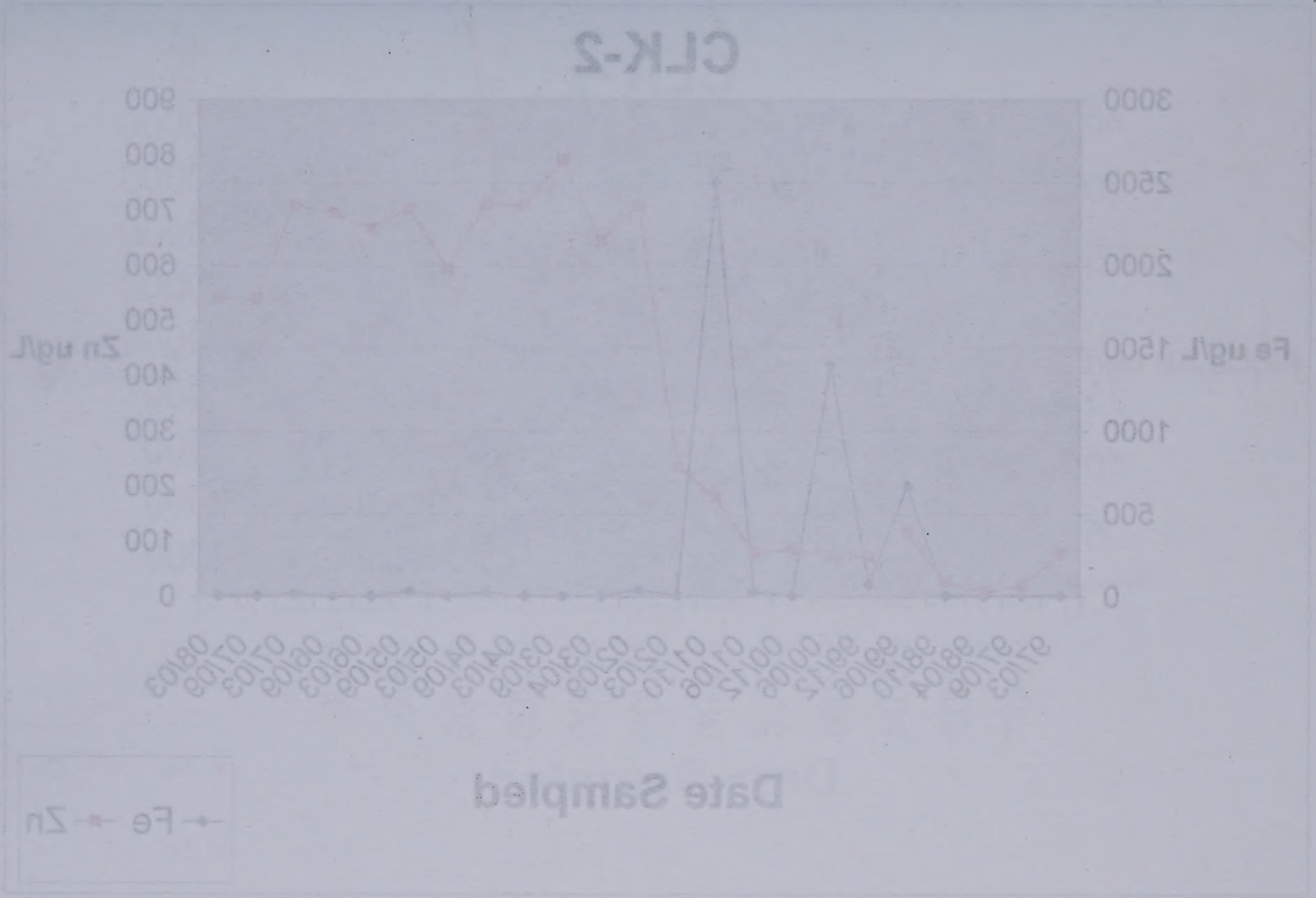
8/27/10
Sp
As
Cd
Fe
Zn


CLK-2
Fe ug/L
Zn ug/L
3000
2500
2000
1500
1000
500
0
900
800
700
600
500
400
300
200
100
0
97/03
97/09
98/04
98/10
99/06
99/12
00/06
00/12
01/06
01/10
02/03
02/09
03/04
03/09
04/03
04/09
05/03
05/09
06/03
06/09
07/03
07/09
08/03
Date Sampled
Fe
Zn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Tuesday, April 15, 2008

MSE Analytical Laboratory

Shawn Bisch
Pioneer Technical Services
P.O. Box 3445
Butte, MT 59701

RE: OLD LANDFILL

Work Order: 0803116

Dear Shawn Bisch:

MSE Lab Services received 4 sample(s) on 3/14/2008 for the analyses presented in the following report.

Please find enclosed analytical results for the sample(s) received at the MSE Laboratory.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Marcee Cameron

Marcee Cameron
Laboratory Director/ Chemist
406-494-7371

Enclosure

MSE Analytical Laboratory
P.O. Box 4078
200 Technology Way
Butte, MT 59701
Lab: 406-494-7334
Fax: 406-494-7230
labinfo@mse-ta.com

RECEIVED
APR 25 2008

Tuesday, April 15, 2008

Shawn Bisch
Pioneer Technical Services
P.O. Box 3145
Butte, MT 59701

RE: OLD LANDFILL

Work Order: 0803118

Dear Shawn Bisch:

MSE Lab Services received 4 sample(s) on 3/14/2008 for the analyses presented in the following report.

Please find enclosed analytical results for the sample(s) received at the MSE Laboratory.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Marcee Chamberlin
Laboratory Director/Chemist
406-494-7271

Enclosure

P.O. Box 3145
Butte, Montana 59701
Tel: 406-494-7271
Fax: 406-494-7230
labservices@mse-ts.com

RECEIVED
APR 23 2008

MSE Lab Services

Date: *15-Apr-08*

CLIENT: Pioneer Technical Services
Lab Order: 0803116
Project: OLD LANDFILL
Lab ID: 0803116-001 BSB-A1

Client Sample ID: BSB-GW-02
Collection Date: 3/12/2008 11:45:00 AM
Matrix: AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY		**E300.0**				Analyst: **SW**
Chloride	16.3	0.250		mg/L	1	3/13/2008
Nitrogen, Nitrate-Nitrite	0.318	0.050		mg/L	1	3/13/2008
Sulfate	79.5	0.500		mg/L	1	3/13/2008
CHEMICAL OXYGEN DEMAND - E410.1		**E410.1**				Analyst: **KGJ**
Chemical Oxygen Demand	9.2	15.0	J	mg/L	1	4/7/2008
PH MEASUREMENT-WATER		**E150.1**				Analyst: **DH**
pH	7.1	0.1		SU	1	3/14/2008
CONDUCTIVITY		**A2510B**				Analyst: **DH**
Specific Conductivity	466	1		µmhos/cm	1	3/14/2008
SULFIDE IN WATER		**A4500-S2-D**				Analyst: **BO**
S2-	ND	1.00		mg/L	1	3/18/2008
TOTAL CYANIDE BY DISTILLATION		**E335.2**				Analyst: **HC**
Cyanide, Total	3.53	10.0	JH	µg/L	1	3/28/2008

MM **Review**

Qualifiers:

H	Holding times for preparation or analysis exceeded	J	Analyte detected below the Reporting Limit
Limit	Instrument Reporting Limit	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit (MDL)		

MSE-TA Analytical Laboratory
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200 Technology Way
Butte, MT 59701
Lab: 406-494-7334
Fax: 406-494-7230
labinfo@mse-ta.com

MSE Lab Services

Date: 15-Apr-08

CLIENT:	Pioneer Technical Services	Client Sample ID:	BSB-GW-02
Lab Order:	0803116	Collection Date:	3/12/2008 11:45:00 AM
Project:	OLD LANDFILL		
Lab ID:	0803116-001	Matrix:	AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY		E300.0				Analyst: SW
Chloride	10.3	0.250		mg/L	1	3/13/2008
Nitrogen, Nitrate-Nitrite	0.318	0.050		mg/L	1	3/13/2008
Sulfate	79.5	0.500		mg/L	1	3/13/2008
CHEMICAL OXYGEN DEMAND - E410.1		E410.1				Analyst: KGJ
Chemical Oxygen Demand	9.2	15.0	J	mg/L	1	4/7/2008
PH MEASUREMENT-WATER		E150.1				Analyst: DH
pH	7.1	0.1		SU	1	3/14/2008
CONDUCTIVITY		A2510B				Analyst: DH
Specific Conductivity	465	1		umhos/cm	1	3/14/2008
SULFIDE IN WATER		A4500-S2-D				Analyst: BO
S2-	ND	1.00		mg/L	1	3/18/2008
TOTAL CYANIDE BY DISTILLATION		E335.2				Analyst: HC
Cyanide, Total	3.53	10.0	J	ug/L	1	3/28/2008

Review

Qualifiers:
H Holding times for preparation or analysis exceeded
Limit Instrument Reporting Limit
ND Not Detected at the Method Detection Limit (MDL)
J Analyte detected below the Reporting Limit
MDL Method Detection Limit

MSE-TA Analytical Laboratory
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labinfo@mse-ta.com

MSE Lab Services

Date: *15-Apr-08*

CLIENT: Pioneer Technical Services
Lab Order: 0803116
Project: OLD LANDFILL
Lab ID: 0803116-002 BSB-AG-R

Client Sample ID: BSB-GW-04
Collection Date: 3/12/2008 12:30:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY		**E300.0**				Analyst: **SW**
Chloride	42.1	0.500		mg/L	2	3/13/2008
Nitrogen, Nitrate-Nitrite	ND	0.100		mg/L	2	3/13/2008
Sulfate	1610	25.0		mg/L	50	3/19/2008
CHEMICAL OXYGEN DEMAND - E410.1		**E410.1**				Analyst: **KGJ**
Chemical Oxygen Demand	467	15.0		mg/L	1	4/7/2008
PH MEASUREMENT-WATER		**E150.1**				Analyst: **DH**
pH	5.9	0.1		SU	1	3/14/2008
CONDUCTIVITY		**A2510B**				Analyst: **DH**
Specific Conductivity	2800	1		µmhos/cm	1	3/14/2008
SULFIDE IN WATER		**A4500-S2-D**				Analyst: **BO**
S2-	4.45	1.00		mg/L	1	3/18/2008
TOTAL CYANIDE BY DISTILLATION		**E335.2**				Analyst: **HC**
Cyanide, Total	ND	10.0	H	µg/L	1	3/28/2008

Review

Qualifiers:

H	Holding times for preparation or analysis exceeded	J	Analyte detected below the Reporting Limit
Limit	Instrument Reporting Limit	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit (MDL)		

MSE-TA Analytical Laboratory
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labinfo@mse-ta.com

MSE Lab Services

Date: 15-Apr-06

CLIENT: Pioneer Technical Services
Lab Order: 0603116
Project: OLD LANDFILL
Lab ID: 0603116-002

Client Sample ID: B28-GW-04
Collection Date: 3/12/2006 12:30:00 PM

B3-P-A6-R

Matrix: AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY			E300.0			Analyst: SW
Chloride	42.1	0.500		mg/L	2	3/13/2006
Nitrogen, Nitrate-Nitrite	ND	0.100		mg/L	2	3/13/2006
Sulfate	1610	25.0		mg/L	50	3/13/2006
CHEMICAL OXYGEN DEMAND - E410.1			E410.1			Analyst: XQJ
Chemical Oxygen Demand	107	10.0		mg/L	1	4/7/2006
pH MEASUREMENT-WATER			E150.1			Analyst: DH
pH	3.8	0.1		SU	1	3/14/2006
CONDUCTIVITY			A2510B			Analyst: DH
Specific Conductivity	2200	1		µmhos/cm	1	3/14/2006
SULFITE IN WATER			A4500-S2-D			Analyst: BD
S2-	4.48	1.00		mg/L	1	3/16/2006
TOTAL CYANIDE BY DISTILLATION			E335.2			Analyst: HC
Cyanide, Total	ND	10.0	H	ug/L	1	3/28/2006

Qualifiers:
H - Holding times for preparation or analysis exceeded
J - Analyte detected below the Reporting Limit
Limit - Reporting Reporting Limit
MCL - Method Detection Limit
ND - Not Detected at the Method Detection Limit (MDL)

Review: _____

MSE Lab Services

Date: *15-Apr-08*

CLIENT: Pioneer Technical Services
Lab Order: 0803116
Project: OLD LANDFILL
Lab ID: 0803116-003

Client Sample ID: BSB-GW-03
Collection Date: 3/12/2008 1:30:00 PM
Matrix: AQUEOUS

BSB-A5

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY		**E300.0**				Analyst: **SW**
Chloride	24.9	0.500		mg/L	2	3/13/2008
Nitrogen, Nitrate-Nitrite	1.68	0.100		mg/L	2	3/13/2008
Sulfate	554	5.00		mg/L	10	3/19/2008
CHEMICAL OXYGEN DEMAND - E410.1		**E410.1**				Analyst: **KGJ**
Chemical Oxygen Demand	45.9	15.0		mg/L	1	4/7/2008
PH MEASUREMENT-WATER		**E150.1**				Analyst: **DH**
pH	6.0	0.1		SU	1	3/14/2008
CONDUCTIVITY		**A2510B**				Analyst: **DH**
Specific Conductivity	1178	1		µmhos/cm	1	3/14/2008
SULFIDE IN WATER		**A4500-S2-D**				Analyst: **BO**
S2-	0.69	1.00	B	mg/L	1	3/18/2008
TOTAL CYANIDE BY DISTILLATION		**E335.2**				Analyst: **HC**
Cyanide, Total	ND	10.0	H	µg/L	1	3/28/2008

mm
_____ **Review**

Qualifiers:

H	Holding times for preparation or analysis exceeded	J	Analyte detected below the Reporting Limit
Limit	Instrument Reporting Limit	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit (MDL)		

MSE-TA Analytical Laboratory
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labinfo@mse-ta.com

MSE Lab Services Date: 18-Apr-05

CLIENT: Pioneer Technical Services
Lab Order: 0503118
Project: OLD LANDFILL
Lab ID: 0503118-003

Client Sample ID: BS8-GW-03
Collection Date: 3/17/2005 1:30:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY		E300.0				Analyst: SW
Chloride	24.5	0.50		mg/L	2	3/17/2005
Nitrogen, Nitrate-Nitrite	1.65	0.100		mg/L	2	3/17/2005
Sulfate	634	5.00		mg/L	10	3/18/2005
CHEMICAL OXYGEN DEMAND : E410.1		E410.1				Analyst: KGJ
Chemical Oxygen Demand	45.5	10.0		mg/L	1	4/7/2005
PH MEASUREMENT-WATER		E150.1				Analyst: DH
pH	6.9	0.1		SU	1	3/14/2005
CONDUCTIVITY		A2510B				Analyst: DH
Specific Conductivity	1115	1		umhos/cm	1	3/14/2005
SULFIDE IN WATER		A4500-S2-D				Analyst: BD
S2-	3.59	1.00	B	mg/L	1	3/18/2005
TOTAL CYANIDE BY DISTILLATION		E335.2				Analyst: HC
Cyanide, Total	ND	10.0	U	ug/L	1	3/24/2005

Review

Qualifiers:
B - Analyte detected in the laboratory method blank
Note: Reporting Limit
ND - Not Detected at the Method Detection Limit (MDL)
J - Analyte detected below the Reporting Limit
MDL - Method Detection Limit

MSE Lab Services
Specialists in analytical chemistry
P.O. Box 4272
200 Technology Way
Butte, MT 59701
Lab: 406-494-7234
Fax: 406-494-7230
labinfo@mse-in.com

MSE Lab Services

Date: *15-Apr-08*

CLIENT: Pioneer Technical Services
Lab Order: 0803116
Project: OLD LANDFILL
Lab ID: 0803116-004 MBMG-2

Client Sample ID: BSB-GW-01
Collection Date: 3/12/2008 2:45:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
SW-846-ICP-AES, DISSOLVED METALS		**SW6010B**		**SW3010A**		Analyst: **kh**
Antimony	ND	150		µg/L	1	3/17/2008
Barium	122	1.50		µg/L	1	3/17/2008
Chromium	ND	50.0		µg/L	1	3/17/2008
Iron	ND	50.0		µg/L	1	3/17/2008
Vanadium	6.11	15.0	J	µg/L	1	3/17/2008
Zinc	ND	50.0		µg/L	1	3/17/2008
SW846 - AQUEOUS DISSOLVED MERCURY		**SW7470A**		**SW7470A**		Analyst: **KGJ**
Mercury	0.088	0.100		µg/L	1	3/21/2008
ANIONS BY ION CHROMATOGRAPHY		**E300.0**				Analyst: **SW**
Chloride	52.5	0.500		mg/L	2	3/13/2008
Nitrogen, Nitrate-Nitrite	5.05	0.100		mg/L	2	3/13/2008
Sulfate	138	1.00		mg/L	2	3/13/2008
CHEMICAL OXYGEN DEMAND - E410.1		**E410.1**				Analyst: **KGJ**
Chemical Oxygen Demand	39.9	15.0		mg/L	1	4/7/2008
PH MEASUREMENT-WATER		**E150.1**				Analyst: **DH**
pH	7.0	0.1		SU	1	3/14/2008
CONDUCTIVITY		**A2510B**				Analyst: **DH**
Specific Conductivity	736	1		µmhos/cm	1	3/14/2008
SULFIDE IN WATER		**A4500-S2-D**				Analyst: **BO**
S2-	ND	1.00		mg/L	1	3/18/2008
TOTAL CYANIDE BY DISTILLATION		**E335.2**				Analyst: **HC**
Cyanide, Total	ND	10.0	H	µg/L	1	3/28/2008

MBM **Review**

Qualifiers:

H	Holding times for preparation or analysis exceeded	J	Analyte detected below the Reporting Limit
Limit	Instrument Reporting Limit	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit (MDL)		

MSE Lab Services

Date: 15-Apr-08

CLIENT: Pioneer Technical Services
Lab Order: 0503116
Project: OLD LANDFILL
Lab ID: 0503116-004

Client Sample ID: BSB-GW-01
Collection Date: 3/12/2008 2:45:00 PM

Matrix: AQUEOUS

MBMG-2

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
SW-846-ICP-AES, DISSOLVED METALS			**SW6010B**	**SW3010A**		Analyst: kh
Antimony	ND	150		µg/L	1	3/17/2008
Barium	122	1.50		µg/L	1	3/17/2008
Chromium	ND	50.0		µg/L	1	3/17/2008
Iron	ND	50.0		µg/L	1	3/17/2008
Vanadium	8.11	15.0		µg/L	1	3/17/2008
Zinc	ND	50.0		µg/L	1	3/17/2008
SW846 - AQUEOUS DISSOLVED MERCURY			**SW7470A**	**SW7470A**		Analyst: KGJ
Mercury	0.088	0.100		µg/L	1	3/21/2008
ANIONS BY ION CHROMATOGRAPHY			**E300.0**			Analyst: SW
Chloride	22.5	0.500		mg/L	2	3/13/2008
Nitrogen, Nitrate-Nitrite	5.08	0.100		mg/L	2	3/13/2008
Sulfate	158	1.00		mg/L	2	3/13/2008
CHEMICAL OXYGEN DEMAND - E410.1			**E410.1**			Analyst: KGJ
Chemical Oxygen Demand	39.9	15.0		mg/L	1	4/7/2008
PH MEASUREMENT-WATER			**E150.1**			Analyst: DH
pH	7.0	0.1		SU	1	3/14/2008
CONDUCTIVITY			**A2510B**			Analyst: DH
Specific Conductivity	726	1		umhos/cm	1	3/14/2008
SULFIDE IN WATER			**A4500-S2-D**			Analyst: BO
S2	ND	1.00		mg/L	1	3/18/2008
TOTAL CYANIDE BY DISTILLATION			**E335.2**			Analyst: HC
Cyanide, Total	ND	10.0		µg/L	1	3/28/2008

Review

Qualifiers:
H Holding times for preparation or analysis exceeded
Limit Increased Reporting Limit
ND Not Detected at the Method Detection Limit (MDL)
J Analyte detected below the Reporting Limit
MDL Method Detection Limit

MSE Analytical Laboratory
P.O. Box 4078
200 Technology Way
Butte, MT 59701
Lab: 406-494-7334
Fax: 406-494-7230
labinfo@mse-ta.com

Date: *15-Apr-08*
Report Date: *15-Apr-08*

QA/QC SUMMARY REPORT

Client: Pioneer Technical Services
Project: OLD LANDFILL

Work Order: 0803116
BatchID: 1609

Analyte	Result	RL	Units	Spike Lvl	% Rec	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Sample ID: ***1609-PB***			*Method:* ***SW6010B***		*Batch ID:* ***1609***			*Analysis Date:* ***3/17/2008***		
Antimony	ND	150	µg/L							
Barium	ND	1.50	µg/L							
Chromium	ND	50.0	µg/L							
Iron	ND	50.0	µg/L							
Vanadium	ND	15.0	µg/L							
Zinc	ND	50.0	µg/L							
Sample ID: ***1609-HI-LCS***			*Method:* ***SW6010B***		*Batch ID:* ***1609***			*Analysis Date:* ***3/17/2008***		
Antimony	399	150	µg/L	400.0	99.7	80	120			
Barium	416	1.50	µg/L	400.0	104	80	120			
Chromium	417	50.0	µg/L	400.0	104	80	120			
Iron	426	50.0	µg/L	400.0	107	80	120			
Vanadium	421	15.0	µg/L	400.0	105	80	120			
Zinc	442	50.0	µg/L	400.0	110	80	120			
Sample ID: ***0803116-004E HI MS***			*Method:* ***SW6010B***		*Batch ID:* ***1609***			*Analysis Date:* ***3/17/2008***		
Antimony	435	150	µg/L	400.0	109	75	125			
Barium	546	1.50	µg/L	400.0	106	75	125			
Chromium	409	50.0	µg/L	400.0	102	75	125			
Iron	449	50.0	µg/L	400.0	112	75	125			
Vanadium	437	15.0	µg/L	400.0	108	75	125			
Zinc	443	50.0	µg/L	400.0	111	75	125			
Sample ID: ***0803116-004E HI MSD***			*Method:* ***SW6010B***		*Batch ID:* ***1609***			*Analysis Date:* ***3/17/2008***		
Antimony	383	150	µg/L	400.0	95.6	75	125	12.8	20	
Barium	548	1.50	µg/L	400.0	106	75	125	0.243	20	
Chromium	419	50.0	µg/L	400.0	105	75	125	2.39	20	
Iron	444	50.0	µg/L	400.0	111	75	125	1.27	20	
Vanadium	439	15.0	µg/L	400.0	108	75	125	0.513	20	
Zinc	448	50.0	µg/L	400.0	112	75	125	1.22	20	

Review

Qualifiers:
N/A Sample concentration is greater than 4*spike level
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

Hoosier Technical Services, Inc.
Jeffersonville, IN
Fax: 502-494-7726
Email: jwg@hsi-tech.com

Date: 15-Apr-08
Report Date: 15-Apr-08

QA/QC SUMMARY REPORT

Client: Hoosier Technical Services
Project: OLD LANDFILL

Work Order: 0803116
Batch ID: 1809

Analyte	Result	RL	Units	Dilution Fact	% Rec	Low Limit	High Limit	RPD	RPD Limit	Date/Time
Sample ID: 1809-4-9				Method: SW6010B		Batch ID: 1809				Analyzed Date: 3/17/2008
Aluminum	ND	100	ug/L							
Barium	ND	(.50)	ug/L							
Chromium	ND	50.0	ug/L							
Iron	ND	50.0	ug/L							
Vanadium	ND	15.0	ug/L							
Zinc	ND	50.0	ug/L							
Sample ID: 1809-4-9 LCS				Method: SW6010B		Batch ID: 1809				Analyzed Date: 3/17/2008
Aluminum	3200	100	ug/L	400.0		80	120			
Barium	415	1.00	ug/L	400.0		104	80	120		
Chromium	411	50.0	ug/L	400.0		103	80	120		
Iron	422	50.0	ug/L	400.0		107	80	120		
Vanadium	421	15.0	ug/L	400.0		105	80	120		
Zinc	442	50.0	ug/L	400.0		110	80	120		
Sample ID: 1809-4-9 LCS DUP				Method: SW6010B		Batch ID: 1809				Analyzed Date: 3/17/2008
Aluminum	439	100	ug/L	400.0		109	75	125		
Barium	426	1.00	ug/L	400.0		106	75	125		
Chromium	415	50.0	ug/L	400.0		104	75	125		
Iron	445	50.0	ug/L	400.0		112	75	125		
Vanadium	427	15.0	ug/L	400.0		107	75	125		
Zinc	443	50.0	ug/L	400.0		111	75	125		
Sample ID: 0803116-02MS IN MSB				Method: SW6010B		Batch ID: 1809				Analyzed Date: 3/17/2008
Aluminum	3273	100	ug/L	400.0		93.0	75	125	12.8	20
Barium	846	1.00	ug/L	400.0		192	75	125	0.243	20
Chromium	449	50.0	ug/L	400.0		102	75	125	2.39	20
Iron	844	50.0	ug/L	400.0		111	75	125	1.27	20
Vanadium	439	15.0	ug/L	400.0		103	75	125	0.912	20
Zinc	448	50.0	ug/L	400.0		112	75	125	1.23	20

Reviewer

MSE Analytical Laboratory
P.O. Box 4078
Technology Way
Butte, MT 59701
Lab: 406-494-7334
Fax: 406-494-7230
labinfo@mse-ta.com

Date: 15-Apr-08
Report Date: 15-Apr-08

QA/QC SUMMARY REPORT

Client: Pioneer Technical Services
Project: OLD LANDFILL
Work Order: 0803116
BatchID: 1632

Analyte	Result	RL	Units	Spike Lvl	% Rec	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Sample ID: ***1632-PB***			*Method:* ***SW7470A***		*Batch ID:* ***1632***			*Analysis Date:* ***3/21/2008***		
Mercury	0.028	0.100	µg/L							
Sample ID: ***LCS-1632***			*Method:* ***SW7470A***		*Batch ID:* ***1632***			*Analysis Date:* ***3/21/2008***		
Mercury	7.48	0.100	µg/L	7.000	107	80	120			
Sample ID: ***0803118-001B-MS***			*Method:* ***SW7470A***		*Batch ID:* ***1632***			*Analysis Date:* ***3/21/2008***		
Mercury	1.06	0.100	µg/L	1.000	102	75	125			
Sample ID: ***0803118-001B-MSD***			*Method:* ***SW7470A***		*Batch ID:* ***1632***			*Analysis Date:* ***3/21/2008***		
Mercury	0.999	0.100	µg/L	1.000	95.5	75	125	5.93	20	

Review

Qualifiers: N/A Sample concentration is greater than 4*spike level; R RPD outside accepted recovery limits; S Spike Recovery outside accepted recovery limits

MSE Analytical Laboratory
P.O. Box 4078
Technology Way
Butte, MT 59701
Lab: 406-494-7334
Fax: 406-494-7230
labinfo@mse-ta.com

Date: *15-Apr-08*
Report Date: *15-Apr-08*

QA/QC SUMMARY REPORT

Client: Pioneer Technical Services
Project: OLD LANDFILL
Work Order: 0803116
BatchID: R6192

Analyte	Result	RL	Units	Spike Lvl	% Rec	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Sample ID: ***LRB***			*Method:* ***E300.0***		*Batch ID:* ***R6192***			*Analysis Date:*	***3/13/2008***	
Chloride	ND	0.250	mg/L							
Nitrogen, Nitrate-Nitrite	ND	0.050	mg/L							
Sulfate	ND	0.500	mg/L							
Sample ID: ***LFB#1099 3/14/08***			*Method:* ***E300.0***		*Batch ID:* ***R6192***			*Analysis Date:*	***3/13/2008***	
Chloride	9.35	0.250	mg/L	10.00	93.5	90	110			
Nitrogen, Nitrate-Nitrite	3.85	0.050	mg/L	4.000	96.2	90	110			
Sulfate	18.0	0.500	mg/L	20.00	90.2	90	110			
Sample ID: ***0803116-001AD***			*Method:* ***E300.0***		*Batch ID:* ***R6192***			*Analysis Date:*	***3/13/2008***	
Chloride	16.4	0.250	mg/L					0.380	20	
Nitrogen, Nitrate-Nitrite	0.326	0.050	mg/L					2.42	20	
Sulfate	81.8	0.500	mg/L					2.87	20	
Sample ID: ***0803116-001ALFM***			*Method:* ***E300.0***		*Batch ID:* ***R6192***			*Analysis Date:*	***3/13/2008***	
Chloride	24.6	0.250	mg/L	10.00	83.4	80	120			
Nitrogen, Nitrate-Nitrite	4.11	0.050	mg/L	4.000	94.7	80	120			
Sulfate	97.7	0.500	mg/L	20.00	90.9	80	120			

lmm **Review**

Qualifiers:
N/A Sample concentration is greater than 4*spike level
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

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Date: *15-Apr-08*
Report Date: *15-Apr-08*

QA/QC SUMMARY REPORT

Client: Pioneer Technical Services
Project: OLD LANDFILL
Work Order: 0803116
BatchID: R6222

Analyte	Result	RL	Units	Spike Lvl	% Rec	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Sample ID: ***0803116-001D-D***			*Method:* ***A4500-S2-D***		*Batch ID:* ***R6222***			*Analysis Date:*	***3/18/2008***	
S2-	ND	1.00	mg/L					0	20	
Sample ID: ***0803116-001D-S***			*Method:* ***A4500-S2-D***		*Batch ID:* ***R6222***			*Analysis Date:*	***3/18/2008***	
S2-	2.05	1.00	mg/L	2.000	102	75	125			
Sample ID: ***LCS WC1824***			*Method:* ***A4500-S2-D***		*Batch ID:* ***R6222***			*Analysis Date:*	***3/18/2008***	
S2-	9.33	1.00	mg/L	10.00	93.3	80	120			
Sample ID: ***PB***			*Method:* ***A4500-S2-D***		*Batch ID:* ***R6222***			*Analysis Date:*	***3/18/2008***	
S2-	1.65	1.00	mg/L							

Review

Qualifiers:
N/A Sample concentration is greater than 4*spike level
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

MSE Analytical Laboratory
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Lab: 406-494-7334
Fax: 406-494-7230
labinfo@mse-ta.com

Date: 15-Apr-08
Report Date: 15-Apr-08

QA/QC SUMMARY REPORT

Client: Pioneer Technical Services
Project: OLD LANDFILL
Work Order: 0803116
BatchID: R6242

Analyte	Result	RL	Units	Spike Lvl	% Rec	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Sample ID: ***LRB***			*Method:* ***E300.0***		*Batch ID:* ***R6242***			*Analysis Date:*	***3/19/2008***	
Sulfate	ND	0.500	mg/L							
Sample ID: ***LFB#1103 3/21/08***			*Method:* ***E300.0***		*Batch ID:* ***R6242***			*Analysis Date:*	***3/19/2008***	
Sulfate	18.1	0.500	mg/L	20.00	90.4	90	110			
Sample ID: ***0803116-002AD***			*Method:* ***E300.0***		*Batch ID:* ***R6242***			*Analysis Date:*	***3/19/2008***	
Sulfate	1730	25.0	mg/L					6.88	20	
Sample ID: ***0803116-002ALFM***			*Method:* ***E300.0***		*Batch ID:* ***R6242***			*Analysis Date:*	***3/19/2008***	
Sulfate	2800	25.0	mg/L	1000	119	80	120			

Review

Qualifiers:

N/A	Sample concentration is greater than 4*spike level	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

MSE Analytical Laboratory
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labinfo@mse-ta.com

Date: *15-Apr-08*
Report Date: *15-Apr-08*

QA/QC SUMMARY REPORT

Client: Pioneer Technical Services
Project: OLD LANDFILL
Work Order: 0803116
BatchID: R6370

Analyte	Result	RL	Units	Spike Lvl	% Rec	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Sample ID: ***0803116-001B-D***			*Method:* ***E335.2***		*Batch ID:* ***R6370***			*Analysis Date:*	***3/28/2008***	
Cyanide, Total	4.00	10.0	µg/L					0	20	JH
Sample ID: ***0803116-001B-S***			*Method:* ***E335.2***		*Batch ID:* ***R6370***			*Analysis Date:*	***3/28/2008***	
Cyanide, Total	102.2	10.0	µg/L	100.0	98.6	75	125			H
Sample ID: ***LCS***			*Method:* ***E335.2***		*Batch ID:* ***R6370***			*Analysis Date:*	***3/28/2008***	
Cyanide, Total	98.40	10.0	µg/L	100.0	98.4	80	120			
Sample ID: ***LRB***			*Method:* ***E335.2***		*Batch ID:* ***R6370***			*Analysis Date:*	***3/28/2008***	
Cyanide, Total	ND	10.0	µg/L							

Review

Qualifiers:

N/A	Sample concentration is greater than 4*spike level	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

MSE Analytical Laboratory
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Lab: 406-494-7334
Fax: 406-494-7230
labinfo@mse-ta.com

Date: 15-Apr-08
Report Date: 15-Apr-08

QA/QC SUMMARY REPORT

Client: Pioneer Technical Services
Project: OLD LANDFILL
Work Order: 0803116
BatchID: R6419

Analyte	Result	RL	Units	Spike Lvl	% Rec	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Sample ID: ***LCS***			*Method:* ***E410.1***		*Batch ID:* ***R6419***		*Analysis Date:* ***4/7/2008***			
Chemical Oxygen Dem	191	15.0	mg/L	200.0	95.6	80	120			
Sample ID: ***BLANK***			*Method:* ***E410.1***		*Batch ID:* ***R6419***		*Analysis Date:* ***4/7/2008***			
Chemical Oxygen Dem	ND	15.0	mg/L							
Sample ID: ***0803116-001C-D***			*Method:* ***E410.1***		*Batch ID:* ***R6419***		*Analysis Date:* ***4/7/2008***			
Chemical Oxygen Dem	10.3	15.0	mg/L					0	20	J
Sample ID: ***0803116-001C-S***			*Method:* ***E410.1***		*Batch ID:* ***R6419***		*Analysis Date:* ***4/7/2008***			
Chemical Oxygen Dem	80.7	15.0	mg/L	100.0	71.5	75	125			S

MM **Review**

Qualifiers:

N/A	Sample concentration is greater than 4*spike level	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

Anatek Labs, Inc.

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504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: MSE TECHNOLOGY APPLICATIONS INC
Address: 200 TECHNOLOGY WAY
BUTTE, MT 59702
Attn: MARCEE CAMERON

Batch #: 080328026
Project Name: PTS-BUTTE

Analytical Results Report

Sample Number 080328026-001 **Sampling Date** 3/12/2008 **Date/Time Received** 3/28/2008 9:45 AM
Client Sample ID 0803116-004E **Sampling Time** 2:45 PM
Matrix: Water

MBM6-2

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Arsenic	0.00146	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Beryllium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Cadmium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Lead	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Nickel	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Selenium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Silver	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Thallium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	

Sample Number 080328026-002 **Sampling Date** 3/12/2008 **Date/Time Received** 3/28/2008 9:45 AM
Client Sample ID 0803118-001B **Sampling Time** 3:40 PM
Matrix: Water

CLK-2

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Arsenic	0.00116	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Beryllium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Cadmium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Lead	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Nickel	0.0218	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Selenium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Silver	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Thallium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	

Comments:

Anatek Labs, Inc.

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504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: MSE TECHNOLOGY APPLICATIONS INC
Address: 200 TECHNOLOGY WAY
BUTTE, MT 59702
Attn: MARCEE CAMERON

Batch #: 080328026
Project Name: PTS-BUTTE

Analytical Results Report

Sample Number 080328026-003 **Sampling Date** 3/12/2008 **Date/Time Received** 3/28/2008 9:45 AM
Client Sample ID 0803118-002B **Sampling Time** 4:10 PM
Matrix: Water

CLK-2 Dup

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Arsenic	0.00102	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Beryllium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Cadmium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Lead	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Nickel	0.0217	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Selenium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Silver	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Thallium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	

Sample Number 080328026-004 **Sampling Date** 3/12/2008 **Date/Time Received** 3/28/2008 9:45 AM
Client Sample ID 0803118-003B **Sampling Time** 4:15 PM
Matrix: Water

CLK-1

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Arsenic	0.122	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Beryllium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Cadmium	0.0193	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Lead	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Nickel	0.0519	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Selenium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Silver	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Thallium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	

Comments:

Analytical Results Report

Client:	MSE TECHNOLOGY APPLICATIONS INC	Batch #:	020320-3
Address:	200 TECHNOLOGY WAY BUTTE, MT 59702	Project Name:	PTS-GUTTE
Attn:	MARCEE CAMERON		

Sample Number:	20011210-0.03	Sampling Date:	3/12/2002
Client Sample ID:	3001TH4-3DIM	Sampling Time:	4:10 PM
Matrix:	Water		

Parameter	Result	Units	MDL	Analysis Date	Analyst	Method	Qualifier
Detected Analyte	0.00[illegible]	mg/L	0.001	4/7/2002	DMB	EPA 300.0	
Detected Bromide	ND	mg/L	0.001	4/7/2002	DMB	EPA 300.0	
Detected Chloride	ND	mg/L	0.001	4/7/2002	DMB	EPA 300.0	
Detected Fluoride	ND	mg/L	0.001	4/7/2002	DMB	EPA 300.0	
Detected Nitrate	0.00[illegible]	mg/L	0.001	4/7/2002	DMB	EPA 300.0	
Detected Nitrite	ND	mg/L	0.001	4/7/2002	DMB	EPA 300.0	
Detected Phosphate	ND	mg/L	0.001	4/7/2002	DMB	EPA 300.0	
Detected Sulfate	ND	mg/L	0.001	4/7/2002	DMB	EPA 300.0	

Sample Number:	20011210-0.04	Sampling Date:	3/12/2002
Client Sample ID:	3001TH5-3DIM	Sampling Time:	4:18 PM
Matrix:	Water		

Parameter	Result	Units	MDL	Analysis Date	Analyst	Method	Qualifier
Detected Analyte	0.00[illegible]	mg/L	0.001	4/7/2002	DMB	EPA 300.0	
Detected Bromide	ND	mg/L	0.001	4/7/2002	DMB	EPA 300.0	
Detected Chloride	0.00[illegible]	mg/L	0.001	4/7/2002	DMB	EPA 300.0	
Detected Fluoride	ND	mg/L	0.001	4/7/2002	DMB	EPA 300.0	
Detected Nitrate	0.00[illegible]	mg/L	0.001	4/7/2002	DMB	EPA 300.0	
Detected Nitrite	ND	mg/L	0.001	4/7/2002	DMB	EPA 300.0	
Detected Phosphate	ND	mg/L	0.001	4/7/2002	DMB	EPA 300.0	
Detected Sulfate	ND	mg/L	0.001	4/7/2002	DMB	EPA 300.0	

Comments:

Anatek Labs, Inc.

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504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: MSE TECHNOLOGY APPLICATIONS INC
Address: 200 TECHNOLOGY WAY
BUTTE, MT 59702
Attn: MARCEE CAMERON

Batch #: 080328026
Project Name: PTS-BUTTE

Analytical Results Report

Sample Number 080328026-005 **Sampling Date** 3/12/2008 **Date/Time Received** 3/28/2008 9:45 AM
Client Sample ID 0803118-004B **Sampling Time** 5:00 PM
Matrix: Water

Field Blank

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Arsenic	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Beryllium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Cadmium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Lead	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Nickel	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Selenium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Silver	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Thallium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	

Authorized Signature John W. Cobb

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

Comments:

RECEIVED
MAY 08 2008

Tuesday, April 15, 2008

Analytical Laboratory

Shawn Bisch
Pioneer Technical Services
P.O. Box 3445
Butte, MT 59701

RE: OLD LANDFILL-COPPER

Work Order: 0803116

Dear Shawn Bisch:

MSE Lab Services received 4 sample(s) on 3/14/2008 for the analyses presented in the following report.

Please find enclosed copper analytical results for the sample(s) received at the MSE Laboratory. The copper results were inadvertently omitted from the original report.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Marcee Cameron
Laboratory Director/ Chemist
406-494-7371

Enclosure

MSE Analytical Laboratory
P.O. Box 4078
200 Technology Way
Butte, MT 59701
Lab: 406-494-7334
Fax: 406-494-7230
labinfo@mse-ta.com

Tuesday, April 15, 2008

Shawn Black
Pioneer Technical Services
P.O. Box 3445
Butte, MT 59701

RE: OLD LANDFILL-COPPER

Work Order: 0803116

Dear Shawn Black:

MSE Lab Services received 4 sample(s) on 3/14/2008 for the analyses presented in the following report.

Please find enclosed copper analytical results for the sample(s) received at the MSE Laboratory. The copper results were inadvertently omitted from the original report.

If you have any questions regarding these lab results, please feel free to call.

Sincerely,

Marcee Cameron
Laboratory Director Chemist
406-494-7271

Enclosure

MSE Lab Services

Date: *07-May-08*

CLIENT: Pioneer Technical Services
Lab Order: 0803116
Project: OLD LANDFILL
Lab ID: 0803116-004

MBM6-2

Client Sample ID: BSB-GW-01
Collection Date: 3/12/2008 2:45:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
SW-846-ICP-AES, DISSOLVED METALS		**SW6010B**		**SW3010A**		Analyst: **kh**
Copper	2.79	6.00	J	µg/L	1	3/17/2008

mm **Review**

Qualifiers:

H	Holding times for preparation or analysis exceeded	J	Analyte detected below the Reporting Limit
Limit	Instrument Reporting Limit	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit (MDL)		

MSE-TA Analytical Laboratory
P.O. Box 4078
200 Technology Way
Butte, MT 59701
Lab: 406-494-7334
Fax: 406-494-7230
labinfo@mse-ta.com

MSE Lab Services

Date: 07-May-07

CLIENT: Pioneer Technical Services
Lab Order: 0603116
Project: CLD LANDFILL
Lab ID: 0603116-004

Client Sample ID: BSB-GW-01
Collection Date: 3/13/2006 2:46:00 PM

Matrix: AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
SW-846-ICP-AES, DISSOLVED METALS		SW6010B		SW3010A		Analyst: sh
Copper	2.79	0.00	J	ug/L	1	3/17/2006

Qualifiers:
B Analyte detected in associated Method Blank
E Value above quantitation range
J Analyte detected below Reporting Limit
ND Not Detected at the Method Detection Limit
MDL Method Detection Limit

Review

MSE Laboratory Services
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Lab: 406-494-7294
Fax: 406-494-7230
sales@mse-ts.com

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P.O. Box 4078
200 Technology Way
Butte, MT 59701
Lab: 406-494-7334
Fax: 406-494-7230
labinfo@mse-ta.com

Date: 07-May-08
Report Date: 15-Apr-08

QA/QC SUMMARY REPORT

Client: Pioneer Technical Services
Project: OLD LANDFILL
Work Order: 0803116
BatchID: 1609

Analyte	Result	RL	Units	Spike Lvl	% Rec	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Sample ID: ***1609-PB***			*Method:* ***SW6010B***		*Batch ID:* ***1609***			*Analysis Date:* ***3/17/2008***		
Copper	ND	6.00	µg/L							
Sample ID: ***1609-HI-LCS***			*Method:* ***SW6010B***		*Batch ID:* ***1609***			*Analysis Date:* ***3/17/2008***		
Copper	412	6.00	µg/L	400.0	103	80	120			
Sample ID: ***0803116-004E HI MS***			*Method:* ***SW6010B***		*Batch ID:* ***1609***			*Analysis Date:* ***3/17/2008***		
Copper	412	6.00	µg/L	400.0	102	75	125			
Sample ID: ***0803116-004E HI MSD***			*Method:* ***SW6010B***		*Batch ID:* ***1609***			*Analysis Date:* ***3/17/2008***		
Copper	417	6.00	µg/L	400.0	104	75	125	1.11	20	

Review

Qualifiers:

N/A	Sample concentration is greater than 4*spike level	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

Thursday, April 17, 2008

RECEIVED
APR 25 2008

MSE Analytical Laboratory

Brad Archibald
Pioneer Technical Services
P.O. Box 3445
Butte, MT 59701

RE: CLARK TAILINGS

Work Order: 0803118

Dear Brad Archibald:

MSE Lab Services received 4 sample(s) on 3/14/2008 for the analyses presented in the following report.

Please find enclosed analytical results for the sample(s) received at the MSE Laboratory.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Marcee Cameron

Marcee Cameron
Laboratory Director/ Chemist
406-494-7371

Enclosure

Thursday, April 17, 2008

Brad Archibald
Pioneer Technical Services
P.O. Box 2425
Butte, MT 59701

RE: CLARK TAILINGS Work Order: 0803118

Dear Brad Archibald:

MSE Lab Services received 4 sample(s) on 3/14/2008 for the analyses presented in the following report.

Please find enclosed analytical results for the sample(s) received at the MSE Laboratory.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Marcus Cameron

Marcus Cameron
Laboratory Director/Chemist
406-494-7271

Enclosure

P.O. Box 4026
2210 Harlowton Way
Butte, MT 59701

Tel: 406-494-7271
Fax: 406-494-2230
labinfo@mse-ts.com

MSE Lab Services

Date: *18-Apr-08*

CLIENT: Pioneer Technical Services
Lab Order: 0803118
Project: CLARK TAILINGS
Lab ID: 0803118-001

Client Sample ID: BSB-GW-06
Collection Date: 3/12/2008 3:40:00 PM
Matrix: AQUEOUS

CLK-2

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
SW-846-ICP-AES, DISSOLVED METALS			**SW6010B**	**SW3010A**			Analyst: **kh**
Antimony	<MDL	50.3	150	U	µg/L	1	3/17/2008
Barium	19.8	0.5	1.5		µg/L	1	3/17/2008
Chromium	<MDL	16	50	U	µg/L	1	3/17/2008
Iron	<MDL	13.965	50	U	µg/L	1	3/17/2008
Vanadium	<MDL	3.778	15	U	µg/L	1	3/17/2008
Zinc	541	15.447	50		µg/L	1	3/17/2008
SW846 - AQUEOUS DISSOLVED MERCURY			**SW7470A**	**SW7470A**			Analyst: **KGJ**
Mercury	0.044	0.01724	0.1	B	µg/L	1	3/21/2008
ANIONS BY ION CHROMATOGRAPHY			**E300.0**				Analyst: **SW**
Chloride	52.8	0.94	5		mg/L	20	3/19/2008
Sulfate	863	0.5	10		mg/L	20	3/19/2008
PH MEASUREMENT-WATER			**E150.1**				Analyst: **DH**
pH	6.4	0.1	0.1		SU	1	3/14/2008
CONDUCTIVITY			**A2510B**				Analyst: **DH**
Specific Conductivity	1883	0.422	1		µmhos/cm	1	3/14/2008

MM **Review**

Definitions:

B Analyte detected below the CRQL
H Holding times for preparation or analysis exceeded
U Not Detected at the Method Detection Limit (MDL)

CRQL Contract Required Quantitation Limit (ILMO6.X)
MDL Method Detection Limit

MSE Lab Services

Date: 16-Apr-09

CLIENT: Pioneer Technical Services
Lab Order: 0903138
Project: CLARK FISH
Lab ID: 0903138-001

Client Sample ID: BS8-GW-08
Collection Date: 3/12/2009 3:40:00 PM
Matrix: AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
SW-846-ICP-AES, DISSOLVED METALS			**SW6010B**				**SW7010A** Analyst: kh
Antimony	ND	50.3	100	U	ug/L	1	3/17/2009
Barium	19.8	0.5	1.5		ug/L	1	3/17/2009
Chromium	ND	16	50	U	ug/L	1	3/17/2009
Iron	ND	13.955	40	U	ug/L	1	3/17/2009
Vanadium	ND	3.179	15	U	ug/L	1	3/17/2009
Zinc	8.47	15.417	30		ug/L	1	3/17/2009
SW846 - AQUEOUS DISSOLVED MERCURY			**SW7470A**				**SW7470A** Analyst: KDL
Mercury	0.096	0.01721	0.1	J	ug/L	1	3/23/2009
ANIONS BY ION CHROMATOGRAPHY			**E300.0**				**E300.0** Analyst: SW
Chloride	52.6	0.24	5		mg/L	20	3/18/2009
Sulfate	65	0.5	10		mg/L	20	3/18/2009
pH BY ELECTROMETRIC WATER			**E150.1**				**E150.1** Analyst: DH
pH	8.4	0.1	0.1		SU	1	3/17/2009
CONDUCTIVITY			**A2510B**				**A2510B** Analyst: DH
Specific Conductance	1243	0.022	1		µmhos/cm	1	3/17/2009

Reviewer: MMM

Qualifiers:
B - Analyte detected in the QBOL
H - Holding time for preparation or analysis exceeded
U - Not Detected at the Method Detection Limit (MDL)

QBOL - Control Reporting Quantitation Limit (RLMDL)
MDL - Method Detection Limit

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MSE Lab Services

Date: *18-Apr-08*

CLIENT: Pioneer Technical Services
Lab Order: 0803118
Project: CLARK TAILINGS
Lab ID: 0803118-002 CLK-1 Ap

Client Sample ID: BSB-GW-08
Collection Date: 3/12/2008 4:10:00 PM
Matrix: AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
SW-846-ICP-AES, DISSOLVED METALS			**SW6010B**	**SW3010A**			Analyst: **kh**
Antimony	<MDL	50.3	150	U	µg/L	1	3/17/2008
Barium	19.6	0.5	1.5		µg/L	1	3/17/2008
Chromium	<MDL	16	50	U	µg/L	1	3/17/2008
Iron	<MDL	13.965	50	U	µg/L	1	3/17/2008
Vanadium	<MDL	3.778	15	U	µg/L	1	3/17/2008
Zinc	580	15.447	50		µg/L	1	3/17/2008
SW846 - AQUEOUS DISSOLVED MERCURY			**SW7470A**	**SW7470A**			Analyst: **KGJ**
Mercury	0.050	0.01724	0.1	B	µg/L	1	3/21/2008
ANIONS BY ION CHROMATOGRAPHY			**E300.0**				Analyst: **SW**
Chloride	53.5	0.94	5		mg/L	20	3/19/2008
Sulfate	875	0.5	10		mg/L	20	3/19/2008
PH MEASUREMENT-WATER			**E150.1**				Analyst: **DH**
pH	6.4	0.1	0.1		SU	1	3/14/2008
CONDUCTIVITY			**A2510B**				Analyst: **DH**
Specific Conductivity	1888	0.422	1		µmhos/cm	1	3/14/2008

MM **Review**

Definitions:
- B Analyte detected below the CRQL
- H Holding times for preparation or analysis exceeded
- U Not Detected at the Method Detection Limit (MDL)
- CRQL Contract Required Quantitation Limit (ILMO6.X)
- MDL Method Detection Limit

MSE Lab Services

Date: 15-Apr-08

CLIENT:	Pioneer Technical Services	Client Sample ID:	BSB-GW-03
Lab Order:	0803118	Collection Date:	3/12/2008 4:10:00 PM
Project:	CLARK-TAILINGS		
Lab ID:	0803118-002	Matrix:	AQUEOUS

C.K-L D.J

Analyses	Result	MDL	CROL	Qualifier	Units	DF	Date Analyzed
SW-846-ICP-AES, DISSOLVED METALS			**SW3010B**		**SW3010A**		Analyst: kh
Aluminum	<MDL	50.3	150	V	µg/L	1	3/17/2008
Barium	19.5	0.5	1.5		µg/L	1	3/17/2008
Chromium	<MDL	19	50	V	µg/L	1	3/17/2008
Iron	<MDL	13.068	50	V	µg/L	1	3/17/2008
Vanadium	<MDL	3.778	15	V	µg/L	1	3/17/2008
Zinc	590	15.447	50		µg/L	1	3/17/2008
SW3/4 - AQUEOUS DISSOLVED MERCURY			**SW7470A**		**SW7470A**		Analyst: KGJ
Mercury	0.050	0.01724	0.1	V	µg/L	1	3/21/2008
ANIONS BY ION CHROMATOGRAPHY			**E300.0**				Analyst: SW
Chloride	53.5	0.94	5		mg/L	20	3/19/2008
Sulfate	875	0.5	10		mg/L	20	3/19/2008
PH MEASUREMENT/WATER			**E150.1**				Analyst: DH
pH	8.4	0.1	0.1		SU	1	3/14/2008
CONDUCTIVITY			**A2510B**				Analyst: DH
Specific Conductivity	1660	0.422	1		µmhos/cm	1	3/14/2008

Reviews

Definitions:
- B Analyte detected below the CROL
- H Holding time for preparation or analysis exceeded
- U Not Detected at the Method Detection Limit (MDL)

CROL Contract Required Quantitation Limit (CLRQL)
MDL Method Detection Limit

MSE Lab Services

Date: *18-Apr-08*

CLIENT: Pioneer Technical Services
Lab Order: 0803118
Project: CLARK TAILINGS
Lab ID: 0803118-003 CLK-1

Client Sample ID: BSB-GW-05
Collection Date: 3/12/2008 4:15:00 PM
Matrix: AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
SW-846-ICP-AES, DISSOLVED METALS			**SW6010B**	**SW3010A**			Analyst: **mc/kh**
Antimony	<MDL	503	1500	U	µg/L	10	4/10/2008
Barium	31.4	5	15		µg/L	10	4/10/2008
Chromium	<MDL	160	500	U	µg/L	10	4/10/2008
Iron	21900	139.65	500		µg/L	10	4/10/2008
Vanadium	<MDL	37.78	150	U	µg/L	10	4/10/2008
Zinc	84400	154.47	500		µg/L	10	4/10/2008
SW846 - AQUEOUS DISSOLVED MERCURY			**SW7470A**	**SW7470A**			Analyst: **KGJ**
Mercury	0.047	0.01724	0.1	B	µg/L	1	3/21/2008
ANIONS BY ION CHROMATOGRAPHY			**E300.0**				Analyst: **SW**
Chloride	30.9	0.94	5		mg/L	20	3/19/2008
Sulfate	1400	0.5	10		mg/L	20	3/19/2008
PH MEASUREMENT-WATER			**E150.1**				Analyst: **DH**
pH	6.1	0.1	0.1		SU	1	3/14/2008
CONDUCTIVITY			**A2510B**				Analyst: **DH**
Specific Conductivity	2300	0.422	1		µmhos/cm	1	3/14/2008

mm **Review**

Definitions:
- B Analyte detected below the CRQL
- H Holding times for preparation or analysis exceeded
- U Not Detected at the Method Detection Limit (MDL)
- CRQL Contract Required Quantitation Limit (ILMO6.X)
- MDL Method Detection Limit

MSE Lab Services

Date: *18-Apr-08*

CLIENT: Pioneer Technical Services
Lab Order: 0803118
Project: CLARK TAILINGS
Lab ID: 0803118-004 Field Blank

Client Sample ID: BSB-GW-09
Collection Date: 3/12/2008 5:00:00 PM
Matrix: AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
SW-846-ICP-AES, DISSOLVED METALS			**SW6010B**	**SW3010A**			Analyst: **kh**
Antimony	<MDL	50.3	150	U	µg/L	1	3/17/2008
Barium	<MDL	0.5	1.5	U	µg/L	1	3/17/2008
Chromium	<MDL	16	50	U	µg/L	1	3/17/2008
Iron	<MDL	13.965	50	U	µg/L	1	3/17/2008
Vanadium	<MDL	3.778	15	U	µg/L	1	3/17/2008
Zinc	<MDL	15.447	50	U	µg/L	1	3/17/2008
SW846 - AQUEOUS DISSOLVED MERCURY			**SW7470A**	**SW7470A**			Analyst: **KGJ**
Mercury	0.028	0.01724	0.1	B	µg/L	1	3/21/2008
ANIONS BY ION CHROMATOGRAPHY			**E300.0**				Analyst: **SW**
Chloride	<MDL	0.047	0.25	U	mg/L	1	3/19/2008
Sulfate	0.155	0.025	0.5	B	mg/L	1	3/19/2008
PH MEASUREMENT-WATER			**E150.1**				Analyst: **DH**
pH	7.6	0.1	0.1		SU	1	3/14/2008
CONDUCTIVITY			**A2510B**				Analyst: **DH**
Specific Conductivity	<MDL	0.422	1	U	µmhos/cm	1	3/14/2008

mm **Review**

Definitions:
- B Analyte detected below the CRQL
- H Holding times for preparation or analysis exceeded
- U Not Detected at the Method Detection Limit (MDL)
- CRQL Contract Required Quantitation Limit (ILMO6.X)
- MDL Method Detection Limit

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Date: 18-Apr-08
Report Date: 17-Apr-08

QA/QC SUMMARY REPORT

Client: Pioneer Technical Services
Project: CLARK TAILINGS
Work Order: 0803118
BatchID: 1609

Analyte	Result	CRQL	Units	Spike Lvl	% Rec	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Sample ID: ***1609-PB***			*Method:* ***SW6010B***		*Batch ID:* ***1609***			*Analysis Date:* ***3/17/2008***		
Antimony	<MDL	150	µg/L							U
Barium	<MDL	1.50	µg/L							U
Chromium	<MDL	50.0	µg/L							U
Iron	<MDL	50.0	µg/L							U
Vanadium	<MDL	15.0	µg/L							U
Zinc	<MDL	50.0	µg/L							U
Sample ID: ***1609-HI-LCS***			*Method:* ***SW6010B***		*Batch ID:* ***1609***			*Analysis Date:* ***3/17/2008***		
Antimony	399	150	µg/L	400.0	99.7	80	120			
Barium	416	1.50	µg/L	400.0	104	80	120			
Chromium	417	50.0	µg/L	400.0	104	80	120			
Iron	426	50.0	µg/L	400.0	107	80	120			
Vanadium	421	15.0	µg/L	400.0	105	80	120			
Zinc	442	50.0	µg/L	400.0	110	80	120			
Sample ID: ***0803116-004E HI MS***			*Method:* ***SW6010B***		*Batch ID:* ***1609***			*Analysis Date:* ***3/17/2008***		
Antimony	435	150	µg/L	400.0	109	75	125			
Barium	546	1.50	µg/L	400.0	106	75	125			
Chromium	409	50.0	µg/L	400.0	102	75	125			
Iron	449	50.0	µg/L	400.0	112	75	125			
Vanadium	437	15.0	µg/L	400.0	108	75	125			
Zinc	443	50.0	µg/L	400.0	111	75	125			
Sample ID: ***0803116-004E HI MSD***			*Method:* ***SW6010B***		*Batch ID:* ***1609***			*Analysis Date:* ***3/17/2008***		
Antimony	383	150	µg/L	400.0	95.6	75	125	12.8	20	
Barium	548	1.50	µg/L	400.0	106	75	125	0.243	20	
Chromium	419	50.0	µg/L	400.0	105	75	125	2.39	20	
Iron	444	50.0	µg/L	400.0	111	75	125	1.27	20	
Vanadium	439	15.0	µg/L	400.0	108	75	125	0.513	20	
Zinc	448	50.0	µg/L	400.0	112	75	125	1.22	20	

Review

Qualifiers:

N/A	Sample concentration is greater than 4*spike level	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Pioneer Technical Services Work Order: 0903118
Project: CLARK TAILINGS Batch/ID: 1-QC

Analyte	Result	DPQL	Units	Spike Lvl	% Rec	Low Lim	High Lim	RPD	Lim	Date/Time
Sample ID: 1W3-1-1/2				**Method: SW6010B**			**Batch ID: 1805**			**Analysis Date: 3/17/2009**
Antimony	<0.K1	1.0	µg/L							U
Barium	<0.K1	1.50	µg/L							U
Chromium	<0.K1	32.0	µg/L							U
Iron	<0.K1	80.0	µg/L							U
Vanadium	<0.K1	12.0	µg/L							U
Zinc	<0.K1	50.0	µg/L							U
Sample ID: 1W3-1-1/2				**Method: SW6010B**			**Batch ID: 1805**			**Analysis Date: 3/17/2009**
Antimony	389	1.0	µg/L	400.0		34.1	80			120
Barium	478	1.50	µg/L	400.0		104	80			120
Chromium	417	32.0	µg/L	400.0		104	80			120
Iron	435	80.0	µg/L	400.0		107	80			120
Vanadium	427	12.0	µg/L	400.0		102	80			120
Zinc	442	50.0	µg/L	400.0		110	80			120
Sample ID: 3W3-1-1/2-DUP-1/2 MS				**Method: SW6010B**			**Batch ID: 1805**			**Analysis Date: 3/17/2009**
Antimony	325	1.0	µg/L	400.0		100	75			125
Barium	398	1.50	µg/L	400.0		100	75			125
Chromium	400	32.0	µg/L	400.0		100	75			125
Iron	444	80.0	µg/L	400.0		111	75			125
Vanadium	402	12.0	µg/L	400.0		100	75			125
Zinc	442	50.0	µg/L	400.0		112	75			125
Sample ID: 3W3-1-1/2-DUP-1/2 MSD				**Method: SW6010B**			**Batch ID: 1805**			**Analysis Date: 3/17/2009**
Antimony	323	1.0	µg/L	400.0		52.0	75	125	12.8	20
Barium	343	1.50	µg/L	400.0		100	75	125	0.583	20
Chromium	419	32.0	µg/L	400.0		105	75	125	2.39	20
Iron	444	80.0	µg/L	400.0		111	75	125	1.27	20
Vanadium	402	12.0	µg/L	400.0		100	75	125	0.815	20
Zinc	442	50.0	µg/L	400.0		112	75	125	1.27	20

Reviewed By: _____ Date: _____

Comments:

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Date: 18-Apr-08
Report Date: 17-Apr-08

QA/QC SUMMARY REPORT

Client: Pioneer Technical Services
Project: CLARK TAILINGS

Work Order: 0803118
BatchID: 1632

Analyte	Result	CRQL	Units	Spike Lvl	% Rec	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Sample ID: ***1632-PB***			*Method:* ***SW7470A***		*Batch ID:* ***1632***			*Analysis Date:* ***3/21/2008***		
Mercury	0.028	0.100	µg/L							B
Sample ID: ***LCS-1632***			*Method:* ***SW7470A***		*Batch ID:* ***1632***			*Analysis Date:* ***3/21/2008***		
Mercury	7.48	0.100	µg/L	7.000	107	80	120			
Sample ID: ***0803118-001B-MS***			*Method:* ***SW7470A***		*Batch ID:* ***1632***			*Analysis Date:* ***3/21/2008***		
Mercury	1.06	0.100	µg/L	1.000	102	75	125			
Sample ID: ***0803118-001B-MSD***			*Method:* ***SW7470A***		*Batch ID:* ***1632***			*Analysis Date:* ***3/21/2008***		
Mercury	0.999	0.100	µg/L	1.000	95.5	75	125	5.93	20	

mm **Review**

Qualifiers:

N/A	Sample concentration is greater than 4*spike level	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

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Date: 18-Apr-08
Report Date: 17-Apr-08

QA/QC SUMMARY REPORT

Client: Pioneer Technical Services
Project: CLARK TAILINGS
Work Order: 0803118
BatchID: R6202

Analyte	Result	CRQL	Units	Spike Lvl	% Rec	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Sample ID: ***ICV***			*Method:* ***E150.1***		*Batch ID:* ***R6202***			*Analysis Date:*	***3/14/2008***	
pH	6.7	0.1	SU	6.700	99.7	90	110			
Sample ID: ***ICB***			*Method:* ***E150.1***		*Batch ID:* ***R6202***			*Analysis Date:*	***3/14/2008***	
pH	7.1	0.1	SU							
Sample ID: ***0803125-001A D***			*Method:* ***E150.1***		*Batch ID:* ***R6202***			*Analysis Date:*	***3/14/2008***	
pH	7.5	0.1	SU					0.534	20	
Sample ID: ***ICV***			*Method:* ***A2510B***		*Batch ID:* ***R6202***			*Analysis Date:*	***3/14/2008***	
Specific Conductivity	1415	1	µmhos/cm	1404	101	90	110			
Sample ID: ***ICB***			*Method:* ***A2510B***		*Batch ID:* ***R6202***			*Analysis Date:*	***3/14/2008***	
Specific Conductivity	1	1	µmhos/cm							
Sample ID: ***0803125-001A D***			*Method:* ***A2510B***		*Batch ID:* ***R6202***			*Analysis Date:*	***3/14/2008***	
Specific Conductivity	726	1	µmhos/cm					0.412	20	

mm **Review**

Qualifiers:

N/A	Sample concentration is greater than 4*spike level	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

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Date: 18-Apr-08
Report Date: 17-Apr-08

QA/QC SUMMARY REPORT

Client: Pioneer Technical Services
Project: CLARK TAILINGS
Work Order: 0803118
BatchID: R6242

Analyte	Result	CRQL	Units	Spike Lvl	% Rec	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Sample ID: ***LRB***			*Method:* ***E300.0***		*Batch ID:* ***R6242***			*Analysis Date:*	***3/19/2008***	
Chloride	<MDL	0.250	mg/L							U
Sulfate	<MDL	0.500	mg/L							U
Sample ID: ***LFB#1103 3/21/08***			*Method:* ***E300.0***		*Batch ID:* ***R6242***			*Analysis Date:*	***3/19/2008***	
Chloride	9.30	0.250	mg/L	10.00	93.0	90	110			
Sulfate	18.1	0.500	mg/L	20.00	90.4	90	110			
Sample ID: ***0803118-001AD***			*Method:* ***E300.0***		*Batch ID:* ***R6242***			*Analysis Date:*	***3/19/2008***	
Chloride	53.5	5.00	mg/L					1.41	20	
Sulfate	877	10.0	mg/L					1.60	20	
Sample ID: ***0803118-001ALFM***			*Method:* ***E300.0***		*Batch ID:* ***R6242***			*Analysis Date:*	***3/19/2008***	
Chloride	259	5.00	mg/L	200.0	103	80	120			
Sulfate	1310	10.0	mg/L	400.0	112	80	120			

Review

Qualifiers:

N/A	Sample concentration is greater than 4*spike level	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

Anatek Labs, Inc.

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Client: MSE TECHNOLOGY APPLICATIONS INC
Address: 200 TECHNOLOGY WAY
BUTTE, MT 59702
Attn: MARCEE CAMERON

Batch #: 080328026
Project Name: PTS-BUTTE

Analytical Results Report

Sample Number 080328026-001
Client Sample ID 0803116-004E
Matrix: Water

Sampling Date 3/12/2008
Sampling Time 2:45 PM
Date/Time Received 3/28/2008 9:45 AM

MBM6-2

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Arsenic	0.00146	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Beryllium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Cadmium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Lead	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Nickel	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Selenium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Silver	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Thallium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	

Sample Number 080328026-002
Client Sample ID 0803118-001B
Matrix: Water

Sampling Date 3/12/2008
Sampling Time 3:40 PM
Date/Time Received 3/28/2008 9:45 AM

CLK-2

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Arsenic	0.00116	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Beryllium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Cadmium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Lead	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Nickel	0.0218	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Selenium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Silver	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Thallium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	

Comments:

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 883-2946 • email moscow@anatek.com
904 E Sherman St, ID • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anatek.com

Client:	MSE TECHNOLOGY APPLICATIONS INC	Batch #:	0903298026
Address:	200 TECHNOLOGY WAY BUTTE, MT 59702	Project Name:	PTS-BUTTE
Attn:	MARCEL CAMERON		

Analytical Results Report

Sample Number:	0903298026-07	Sampling Date:	3/12/2009	Date/Time Received:	3/23/2009 9:45 AM
Client Sample ID:	(MW-1 IS 2012 -	Sampling Time:	2:45 PM		
Matrix:	Water				

MW-1

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Arsenic	0.00148	mg/L	0.001	4/7/2009	DMB	EPA 200.8	
Dissolved Beryllium	ND	mg/L	0.001	4/7/2009	DMB	EPA 200.8	
Dissolved Cadmium	ND	mg/L	0.001	4/7/2009	DMB	EPA 200.8	
Dissolved Lead	ND	mg/L	0.001	4/7/2009	DMB	EPA 200.8	
Dissolved Nickel	ND	mg/L	0.001	4/7/2009	DMB	EPA 200.8	
Dissolved Selenium	ND	mg/L	0.001	4/7/2009	DMB	EPA 200.8	
Dissolved Silver	ND	mg/L	0.001	4/7/2009	DMB	EPA 200.8	
Dissolved Thallium	ND	mg/L	0.001	4/7/2009	DMB	EPA 200.8	

Sample Number:	0903298026-02	Sampling Date:	3/11/2009	Date/Time Received:	3/23/2009 9:45 AM
Client Sample ID:	(MW-2 IS 2012	Sampling Time:	3:40 PM		
Matrix:	Water				

MW-2

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Arsenic	0.00115	mg/L	0.001	4/7/2009	DMB	EPA 200.8	
Dissolved Beryllium	ND	mg/L	0.001	4/7/2009	DMB	EPA 200.8	
Dissolved Cadmium	ND	mg/L	0.001	4/7/2009	DMB	EPA 200.8	
Dissolved Lead	ND	mg/L	0.001	4/7/2009	DMB	EPA 200.8	
Dissolved Nickel	0.00215	mg/L	0.001	4/7/2009	DMB	EPA 200.8	
Dissolved Selenium	ND	mg/L	0.001	4/7/2009	DMB	EPA 200.8	
Dissolved Silver	ND	mg/L	0.001	4/7/2009	DMB	EPA 200.8	
Dissolved Thallium	ND	mg/L	0.001	4/7/2009	DMB	EPA 200.8	

Anatek Labs, Inc.

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504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: MSE TECHNOLOGY APPLICATIONS INC
Address: 200 TECHNOLOGY WAY
BUTTE, MT 59702
Attn: MARCEE CAMERON

Batch #: 080328026
Project Name: PTS-BUTTE

Analytical Results Report

Sample Number 080328026-003
Client Sample ID 0803118-002B
Matrix: Water

Sampling Date 3/12/2008
Sampling Time 4:10 PM
Date/Time Received 3/28/2008 9:45 AM

CLK-2 Dup

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Arsenic	0.00102	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Beryllium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Cadmium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Lead	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Nickel	0.0217	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Selenium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Silver	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Thallium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	

Sample Number 080328026-004
Client Sample ID 0803118-003B
Matrix: Water

Sampling Date 3/12/2008
Sampling Time 4:15 PM
Date/Time Received 3/28/2008 9:45 AM

CLK-1

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Arsenic	0.122	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Beryllium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Cadmium	0.0193	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Lead	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Nickel	0.0519	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Selenium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Silver	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Thallium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	

Comments:

Anatek Labs, Inc.

1765 Albano Drive • Moscow, ID 83843 • (208) 882-5510 • Fax (208) 882-5549 • lab@anatek.com
941 E Sprague Ave, Dr. • Spokane, WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • spokane@anatek.com

Client: MSE TECHNOLOGY APPLICATIONS INC
Address: 370 TECHNOLOGY WAY
BUTTE, MT 59702
Attn: MARCEL CAMERON

Date: 08/22/2008
Project Name: P-5-BUTTE

Analytical Results Report

Sample Number: 0408220003
Client Sample ID: 2M-14-1B-0325
Matrix: Water

Sampling Date: 8/12/2008
Sampling Time: 4:10 PM

Date/Time Received: 8/22/2008 9:45 AM

Click - 2 - Cu

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Arsenic	0.0102	mg/L	0.001	4/17/2008	DMB	EPA 200.8	
Dissolved Barium	ND	mg/L	0.001	4/17/2008	DMB	EPA 200.8	
Dissolved Cadmium	ND	mg/L	0.001	4/17/2008	DMB	EPA 200.8	
Dissolved Lead	ND	mg/L	0.001	4/17/2008	DMB	EPA 200.8	
Dissolved Mercury	0.0017	mg/L	0.001	4/17/2008	DMB	EPA 200.8	
Dissolved Selenium	ND	mg/L	0.001	4/17/2008	DMB	EPA 200.8	
Dissolved Silver	ND	mg/L	0.001	4/17/2008	DMB	EPA 200.8	
Dissolved Thallium	ND	mg/L	0.001	4/17/2008	DMB	EPA 200.8	

Sample Number: 0408220004
Client Sample ID: 2M-17-1B-0325
Matrix: Water

Sampling Date: 8/12/2008
Sampling Time: 4:10 PM

Date/Time Received: 8/22/2008 9:45 AM

Click - 1

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Arsenic	0.0032	mg/L	0.001	4/17/2008	DMB	EPA 200.8	
Dissolved Barium	ND	mg/L	0.001	4/17/2008	DMB	EPA 200.8	
Dissolved Cadmium	0.0192	mg/L	0.001	4/17/2008	DMB	EPA 200.8	
Dissolved Lead	ND	mg/L	0.001	4/17/2008	DMB	EPA 200.8	
Dissolved Mercury	0.00149	mg/L	0.001	4/17/2008	DMB	EPA 200.8	
Dissolved Selenium	ND	mg/L	0.001	4/17/2008	DMB	EPA 200.8	
Dissolved Silver	ND	mg/L	0.001	4/17/2008	DMB	EPA 200.8	
Dissolved Thallium	ND	mg/L	0.001	4/17/2008	DMB	EPA 200.8	

Comments:

Monday, April 07, 2008

Anatek Labs, Inc.

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504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: MSE TECHNOLOGY APPLICATIONS INC
Address: 200 TECHNOLOGY WAY
BUTTE, MT 59702
Attn: MARCEE CAMERON

Batch #: 080328026
Project Name: PTS-BUTTE

Analytical Results Report

Sample Number 080328026-005 **Sampling Date** 3/12/2008 **Date/Time Received** 3/28/2008 9:45 AM
Client Sample ID 0803118-004B **Sampling Time** 5:00 PM
Matrix: Water

Field Blank

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Arsenic	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Beryllium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Cadmium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Lead	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Nickel	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Selenium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Silver	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	
Dissolved Thallium	ND	mg/L	0.001	4/7/2008	DMB	EPA 200.8	

Authorized Signature John. Catt

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

Comments:

Anatek Labs, Inc.

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2017 E Alameda Ave, D • Pocatello, ID 83201 • (208) 236-3080 • Fax (208) 236-0123 • e-mail pocatello@anatek.com

Client: MSE TECHNOLOGY APPLICATIONS INC
Address: 200 TECHNOLOGY WAY
BUTTE, MT 59702
Attn: MARCEE CAMERON

Batch #: 0603280258
Project Name: P15-BUTTE

Analytical Results Report

Sample Number: 0603280259
Client Sample ID: 060117-P-DCB
Matrix: Water

Sampling Date: 3/28/2006
Sampling Time: 3:00 PM

Date/Time Received: 3/28/2006 9:45 AM

Fish Bits

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Arsenic	ND	mg/L	0.001	4/17/2006	DMR	EPA 200.8	
Dissolved Cadmium	ND	mg/L	0.001	4/17/2006	DMR	EPA 200.8	
Dissolved Chromium	ND	mg/L	0.001	4/17/2006	DMR	EPA 200.8	
Dissolved Lead	ND	mg/L	0.001	4/17/2006	DMR	EPA 200.8	
Dissolved Nickel	ND	mg/L	0.001	4/17/2006	DMR	EPA 200.8	
Dissolved Selenium	ND	mg/L	0.001	4/17/2006	DMR	EPA 200.8	
Dissolved Silver	ND	mg/L	0.001	4/17/2006	DMR	EPA 200.8	
Dissolved Thallium	ND	mg/L	0.001	4/17/2006	DMR	EPA 200.8	

Authorized Signature

ND = Not Detected
PQL = Practical Quantitation Limit

Comments

Tuesday, April 15, 2008

Analytical Laboratory

Brad Archibald
Pioneer Technical Services
P.O. Box 3445
Butte, MT 59701

RE: CLARK TAILS-COPPER Work Order: 0803118

Dear Brad Archibald:

MSE Lab Services received 4 sample(s) on 3/14/2008 for the analyses presented in the following report.

Please find enclosed copper analytical results for the sample(s) received at the MSE Laboratory. The copper results were inadvertently omitted from the original report.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Marcee Cameron

Marcee Cameron
Laboratory Director/ Chemist
406-494-7371

Enclosure

Tuesday, April 15, 2008

Analytical Laboratory

Brad Archibald
Pilkins Testing Services
P.O. Box 1845
Butte, MT 59701

RE: CLARK TAILS-COPPER

Work Order: 0803115

Dear Brad Archibald:

MSE Labs Services received 4 sample(s) on 3/14/2008 for the analyses presented in the following report.

Please find enclosed copper analytical results for the sample(s) received at the MSE Laboratory. The copper results were inadvertently omitted from the original report.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Melissa Dawson

Melissa Dawson
Laboratory Director Chemist
406-494-7277

Enclosure

P.O. Box 4029
200 Technology Way
Butte, MT 59701

Lab: 406-494-7294
Fax: 406-494-7299
mdawson@mse-lab.com

MSE Lab Services

Date: *07-May-08*

CLIENT:	Pioneer Technical Services	**Client Sample ID:**	BSB-GW-06
Lab Order:	0803118	**Collection Date:**	3/12/2008 3:40:00 PM
Project:	CLARK TAILINGS		
Lab ID:	0803118-001 CLK-2	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
SW-846-ICP-AES, DISSOLVED METALS		SW6010B		SW3010A		Analyst: kh
Copper	6.51	6.00		µg/L	1	3/17/2008

Review

Qualifiers:

H	Holding times for preparation or analysis exceeded	J	Analyte detected below the Reporting Limit
Limit	Instrument Reporting Limit	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit (MDL)		

MSE-TA Analytical Laboratory

P.O. Box 4078
200 Technology Way
Butte, MT 59701

Lab: 406-494-7334
Fax: 406-494-7230
labinfo@mse-ta.com

MSE Lab Services

Date: *07-May-08*

CLIENT: Pioneer Technical Services
Lab Order: 0803118
Project: CLARK TAILINGS
Lab ID: 0803118-002

Client Sample ID: BSB-GW-08
Collection Date: 3/12/2008 4:10:00 PM
CLK-2 Dup
Matrix: AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
SW-846-ICP-AES, DISSOLVED METALS		SW6010B		SW3010A		Analyst: kh
Copper	6.42	6.00		µg/L	1	3/17/2008

mm Review

Qualifiers:

H	Holding times for preparation or analysis exceeded	J	Analyte detected below the Reporting Limit
Limit	Instrument Reporting Limit	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit (MDL)		

MSE-TA Analytical Laboratory
P.O. Box 4078
200 Technology Way
Butte, MT 59701
Lab: 406-494-7334
Fax: 406-494-7230
labinfo@mse-ta.com

MSE Lab Services

Date: *07-May-08*

CLIENT:	Pioneer Technical Services	**Client Sample ID:**	BSB-GW-05
Lab Order:	0803118	**Collection Date:**	3/12/2008 4:15:00 PM
Project:	CLARK TAILINGS		
Lab ID:	0803118-003 CLK-1	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
SW-846-ICP-AES, DISSOLVED METALS		SW6010B		SW3010A		Analyst: mc/kh
Copper	25.5	60.0	J	µg/L	10	4/10/2008

mm Review

Qualifiers:

H	Holding times for preparation or analysis exceeded	J	Analyte detected below the Reporting Limit
Limit	Instrument Reporting Limit	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit (MDL)		

MSE-TA Analytical Laboratory

P.O. Box 4078
200 Technology Way
Butte, MT 59701

Lab: 406-494-7334
Fax: 406-494-7230
labinfo@mse-ta.com

MSE Lab Services

Date: *07-May-08*

CLIENT: Pioneer Technical Services
Lab Order: 0803118
Project: CLARK TAILINGS
Lab ID: 0803118-004 Field Blank

Client Sample ID: BSB-GW-09
Collection Date: 3/12/2008 5:00:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
SW-846-ICP-AES, DISSOLVED METALS		SW6010B		SW3010A		Analyst: kh
Copper	ND	6.00		µg/L	1	3/17/2008

Review

Qualifiers:

H	Holding times for preparation or analysis exceeded	J	Analyte detected below the Reporting Limit
Limit	Instrument Reporting Limit	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit (MDL)		

MSE-TA Analytical Laboratory
P.O. Box 4078
200 Technology Way
Butte, MT 59701
Lab: 406-494-7334
Fax: 406-494-7230
labinfo@mse-ta.com

MSE Analytical Laboratory
P.O. Box 4078
200 Technology Way
Butte, MT 59701
Lab: 406-494-7334
Fax: 406-494-7230
labinfo@mse-ta.com

Date: 07-May-08
Report Date: 17-Apr-08

QA/QC SUMMARY REPORT

Client: Pioneer Technical Services
Project: CLARK TAILINGS

Work Order: 0803118
BatchID: 1609

Analyte	Result	RL	Units	Spike Lvl	% Rec	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Sample ID: 1609-PB			*Method: SW6010B*		*Batch ID: 1609*			*Analysis Date: 3/17/2008*		
Copper	ND	6.00	µg/L							
Sample ID: 1609-HI-LCS			*Method: SW6010B*		*Batch ID: 1609*			*Analysis Date: 3/17/2008*		
Copper	412	6.00	µg/L	400.0	103	80	120			
Sample ID: 0803116-004E HI MS			*Method: SW6010B*		*Batch ID: 1609*			*Analysis Date: 3/17/2008*		
Copper	412	6.00	µg/L	400.0	102	75	125			
Sample ID: 0803116-004E HI MSD			*Method: SW6010B*		*Batch ID: 1609*			*Analysis Date: 3/17/2008*		
Copper	417	6.00	µg/L	400.0	104	75	125	1.11	20	

Review

Qualifiers:
N/A Sample concentration is greater than 4*spike level
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

Tuesday, April 15, 2008

RE[illegible]
MAY 08 2008

Analytical Laboratory

Brad Archibald
Pioneer Technical Services
P.O. Box 3445
Butte, MT 59701

RE: CLARK TAILS-COPPER Work Order: 0803118

Dear Brad Archibald:

MSE Lab Services received 4 sample(s) on 3/14/2008 for the analyses presented in the following report.

Please find enclosed copper analytical results for the sample(s) received at the MSE Laboratory. The copper results were inadvertently omitted from the original report.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Marcee Cameron

Marcee Cameron
Laboratory Director/ Chemist
406-494-7371

Enclosure

Tuesday, April 15, 2003

Brad Archibald
Pioneer Technical Services
P.O. Box 3446
Butte, MT 59701

RE: CLARK TAILS-COPPER

Work Order: 0803118

Dear Brad Archibald:

MSE Lab Services received 4 sample(s) on 3/14/2003 for the analyses presented in the following report.

Please find enclosed copper analytical results for the sample(s) received at the MSE Laboratory. The copper results were inadvertently omitted from the original report.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Manea Cameron

Manea Cameron
Laboratory Director/ Chemist
406-494-7371

Enclosure

MSE Lab Services

Date: *07-May-08*

CLIENT: Pioneer Technical Services
Lab Order: 0803118
Project: CLARK TAILINGS
Lab ID: 0803118-001 CLK-2

Client Sample ID: BSB-GW-06
Collection Date: 3/12/2008 3:40:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
SW-846-ICP-AES, DISSOLVED METALS		**SW6010B**		**SW3010A**		Analyst: **kh**
Copper	6.51	6.00		µg/L	1	3/17/2008

mm **Review**

Qualifiers:

H	Holding times for preparation or analysis exceeded	J	Analyte detected below the Reporting Limit
Limit	Instrument Reporting Limit	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit (MDL)		

MSE-TA Analytical Laboratory
P.O. Box 4078
200 Technology Way
Butte, MT 59701
Lab: 406-494-7334
Fax: 406-494-7230
labinfo@mse-ta.com

MSE Lab Services

Date: *07-May-08*

CLIENT: Pioneer Technical Services
Lab Order: 0803118
Project: CLARK TAILINGS
Lab ID: 0803118-002

CLK-2 Dup

Client Sample ID: BSB-GW-08
Collection Date: 3/12/2008 4:10:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
SW-846-ICP-AES, DISSOLVED METALS		**SW6010B**		**SW3010A**		Analyst: **kh**
Copper	6.42	6.00		µg/L	1	3/17/2008

Review

Qualifiers:

H	Holding times for preparation or analysis exceeded	J	Analyte detected below the Reporting Limit
Limit	Instrument Reporting Limit	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit (MDL)		

MSE-TA Analytical Laboratory
P.O. Box 4078
200 Technology Way
Butte, MT 59701
Lab: 406-494-7334
Fax: 406-494-7230
labinfo@mse-ta.com

MSE Lab Services

Date: 07-May-08

CLIENT: Pioneer Technical Services
Lab Order: 0805118
Project: GLAR'S TAILINGS
Lab ID: 0805118-002

Client Sample ID: BSB-19W-08
Collection Date: 3/12/2008 4:10:00 PM

Matrix: AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
SW-6010C-ASS DISSOLVED METALS						
Copper	5.42	0.00		ug/L	1	Analyzed: 3/17/2008

Qualifiers:
B Analyte detected in the laboratory method blank
E Estimated value. Value exceeds calibration range
H Holding time for preparation or analysis exceeded
ND Not Detected at the Method Detection Limit (MDL)
J Analyte detected below the Reporting Limit
RL Reporting Limit
MDL Method Detection Limit

Review: NA/NA

MSE Laboratories
P.O. Box 4078
202 Technology Way
Butte, MT 59701
Lab: 406-494-7230
Fax: 406-494-7230
labinfo@msm-st.com

MSE Lab Services

Date: *07-May-08*

CLIENT: Pioneer Technical Services
Lab Order: 0803118
Project: CLARK TAILINGS
Lab ID: 0803118-003 CLK-1

Client Sample ID: BSB-GW-05
Collection Date: 3/12/2008 4:15:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
SW-846-ICP-AES, DISSOLVED METALS		**SW6010B**		**SW3010A**		Analyst: **mc/kh**
Copper	25.5	60.0	J	µg/L	10	4/10/2008

mm **Review**

Qualifiers:

H	Holding times for preparation or analysis exceeded	J	Analyte detected below the Reporting Limit
Limit	Instrument Reporting Limit	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit (MDL)		

MSE-TA Analytical Laboratory
P.O. Box 4078
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Butte, MT 59701
Lab: 406-494-7334
Fax: 406-494-7230
labinfo@mse-ta.com

MSE Lab Services

Date: *07-May-08*

CLIENT: Pioneer Technical Services
Lab Order: 0803118
Project: CLARK TAILINGS
Lab ID: 0803118-004 Field Blank

Client Sample ID: BSB-GW-09
Collection Date: 3/12/2008 5:00:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qualifier	Units	DF	Date Analyzed
SW-846-ICP-AES, DISSOLVED METALS		**SW6010B**		**SW3010A**		Analyst: **kh**
Copper	ND	6.00		µg/L	1	3/17/2008

Review

Qualifiers:

H	Holding times for preparation or analysis exceeded	J	Analyte detected below the Reporting Limit
Limit	Instrument Reporting Limit	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit (MDL)		

MSE-TA Analytical Laboratory
P.O. Box 4078
200 Technology Way
Butte, MT 59701
Lab: 406-494-7334
Fax: 406-494-7230
labinfo@mse-ta.com

MSE Analytical Laboratory
P.O. Box 4078
200 Technology Way
Butte, MT 59701
Lab: 406-494-7334
Fax: 406-494-7230
labinfo@mse-ta.com

Date: 07-May-08
Report Date: 17-Apr-08

QA/QC SUMMARY REPORT

Client: Pioneer Technical Services
Project: CLARK TAILINGS
Work Order: 0803118
BatchID: 1609

Analyte	Result	RL	Units	Spike Lvl	% Rec	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Sample ID: ***1609-PB***			*Method:* ***SW6010B***		*Batch ID:* ***1609***			*Analysis Date:* ***3/17/2008***		
Copper	ND	6.00	µg/L							
Sample ID: ***1609-HI-LCS***			*Method:* ***SW6010B***		*Batch ID:* ***1609***			*Analysis Date:* ***3/17/2008***		
Copper	412	6.00	µg/L	400.0	103	80	120			
Sample ID: ***0803116-004E HI MS***			*Method:* ***SW6010B***		*Batch ID:* ***1609***			*Analysis Date:* ***3/17/2008***		
Copper	412	6.00	µg/L	400.0	102	75	125			
Sample ID: ***0803116-004E HI MSD***			*Method:* ***SW6010B***		*Batch ID:* ***1609***			*Analysis Date:* ***3/17/2008***		
Copper	417	6.00	µg/L	400.0	104	75	125	1.11	20	

mm
Review

Qualifiers:
N/A Sample concentration is greater than 4*spike level
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

** REPORT **

RECEIVED
APR 09 2008

Pioneer Technical Services
Brad Hollamon
63 1/2 W Broadway
Butte MT 59701

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08031019-001
Client Sample ID: BSB-GW-02

Report Date: 04/07/08
Collection Date: 03/12/08 11:45
DateReceived: 03/14/08
Matrix: Ground Water

BSB-A1

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	03/18/08 15:04 / mld
Acetonitrile	ND	ug/L		20		SW8260B	03/18/08 15:04 / mld
Acrolein	ND	ug/L		20		SW8260B	03/18/08 17:55 / mld
Acrylonitrile	ND	ug/L		20		SW8260B	03/18/08 17:55 / mld
Allyl chloride	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
Benzene	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
Bromochloromethane	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
Bromodichloromethane	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
Bromoform	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
Bromomethane	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
Carbon disulfide	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
Chlorobenzene	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
Chloroethane	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
Chloroform	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
Chloromethane	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
Chloroprene	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
Dibromomethane	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
Ethylbenzene	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
2-Hexanone	ND	ug/L		20		SW8260B	03/18/08 15:04 / mld
Iodomethane	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08031019-001
Client Sample ID: BSB-GW-02

Report Date: 04/07/08
Collection Date: 03/12/08 11:45
DateReceived: 03/14/08
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Isobutanol	ND	ug/L		50		SW8260B	03/18/08 15:04 / mld
Methacrylonitrile	ND	ug/L		20		SW8260B	03/18/08 15:04 / mld
Methyl ethyl ketone	ND	ug/L		20		SW8260B	03/18/08 15:04 / mld
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	03/18/08 15:04 / mld
Methyl methacrylate	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
Methylene chloride	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
Naphthalene	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
Pentachloroethane	ND	ug/L		2.0		SW8260B	03/18/08 15:04 / mld
Propionitrile	ND	ug/L		20		SW8260B	03/18/08 15:04 / mld
Styrene	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
Tetrachloroethene	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
Toluene	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
Trichloroethene	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
Vinyl acetate	ND	ug/L	C	1.0		SW8260B	03/18/08 15:04 / mld
Vinyl chloride	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
m+p-Xylenes	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
o-Xylene	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
Xylenes, Total	ND	ug/L		1.0		SW8260B	03/18/08 15:04 / mld
Surr: 1,2-Dichloroethane-d4	87.0	%REC		70-130		SW8260B	03/18/08 15:04 / mld
Surr: Dibromofluoromethane	97.0	%REC		77-126		SW8260B	03/18/08 15:04 / mld
Surr: p-Bromofluorobenzene	96.0	%REC		76-127		SW8260B	03/18/08 15:04 / mld
Surr: Toluene-d8	107	%REC		79-122		SW8260B	03/18/08 15:04 / mld
- C=The continuing calibration verification did not contain vinyl acetate.							
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4,5-Tetrachlorobenzene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
1,2-Dichlorobenzene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
1,3,5-Trinitrobenzene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
1,3-Dinitrobenzene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
1,4-Benzenediamine	ND	ug/L	P			SW8270C	03/20/08 00:29 / dsm
1,4-Dichlorobenzene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
1,4-Naphthoquinone	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
1-Methylnaphthalene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
C - The continuing calibration verification exceeded the QC advisory limits.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08031019-001
Client Sample ID: BSB-GW-02

Report Date: 04/07/08
Collection Date: 03/12/08 11:45
DateReceived: 03/14/08
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
1-Naphthylamine	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
2,3,4,6-Tetrachlorophenol	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
2,4,5-Trichlorophenol	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
2,4,6-Trichlorophenol	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
2,4-Dichlorophenol	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
2,4-Dimethylphenol	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
2,4-Dinitrophenol	ND	ug/L		50		SW8270C	03/20/08 00:29 / dsm
2,4-Dinitrotoluene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
2,6-Dichlorophenol	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
2,6-Dinitrotoluene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
2-Acetylaminofluorene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
2-Chloronaphthalene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
2-Chlorophenol	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
2-Methylnaphthalene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
2-Naphthylamine	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
2-Nitroaniline	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
2-Nitrophenol	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
2-Picoline	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
3,3'-Dichlorobenzidine	ND	ug/L		20		SW8270C	03/20/08 00:29 / dsm
3,3'-Dimethylbenzidine	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
3-Methylcholanthrene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
3-Nitroaniline	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
4,6-Dinitro-2-methylphenol	ND	ug/L		50		SW8270C	03/20/08 00:29 / dsm
4-Aminobiphenyl	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
4-Bromophenyl phenyl ether	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
4-Chloro-2-methylphenol	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
4-Chloro-3-methylphenol	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
4-Chlorophenol	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
4-Chlorophenyl phenyl ether	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
4-Nitroaniline	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
4-Nitrophenol	ND	ug/L		50		SW8270C	03/20/08 00:29 / dsm
4-Nitroquinoline-n-oxide	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
5-Nitro-o-toluidine	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
7,12-Dimethylbenz(a)anthracene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
a,a-Dimethylphenethylamine	ND	ug/L	P			SW8270C	03/20/08 00:29 / dsm
Acenaphthene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Acenaphthylene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Acetophenone	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Aniline	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Anthracene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Aramite	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Azobenzene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm

Report Definitions:
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P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08031019-001
Client Sample ID: BSB-GW-02

Report Date: 04/07/08
Collection Date: 03/12/08 11:45
DateReceived: 03/14/08
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Benzidine	ND	ug/L		20		SW8270C	03/20/08 00:29 / dsm
Benzo(a)anthracene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Benzo(a)pyrene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Benzo(b)fluoranthene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Benzo(g,h,i)perylene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Benzo(k)fluoranthene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Benzyl alcohol	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
bis(-2-chloroethoxy)Methane	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
bis(-2-chloroethyl)Ether	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
bis(2-chloroisopropyl)Ether	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
bis(2-ethylhexyl)Phthalate	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Butylbenzylphthalate	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Chlorobenzilate	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Chrysene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Diallate	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Dibenzo(a,h)anthracene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Dibenzofuran	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Diethyl phthalate	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Dimethoate	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Dimethyl phthalate	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Di-n-butyl phthalate	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Di-n-octyl phthalate	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Diphenylamine	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Disulfoton	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Ethyl methanesulfonate	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Famphur	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Fluoranthene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Fluorene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Hexachlorobenzene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Hexachlorobutadiene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Hexachlorocyclopentadiene	ND	ug/L		20		SW8270C	03/20/08 00:29 / dsm
Hexachloroethane	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Hexachlorophene	ND	ug/L	P			SW8270C	03/20/08 00:29 / dsm
Hexachloropropene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Indeno(1,2,3-cd)pyrene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Isophorone	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Isosafrole	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
m+p-Cresols	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Methapyrilene	ND	ug/L	P			SW8270C	03/20/08 00:29 / dsm
Methyl methanesulfonate	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Methyl parathion	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Naphthalene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08031019-001
Client Sample ID: BSB-GW-02

Report Date: 04/07/08
Collection Date: 03/12/08 11:45
DateReceived: 03/14/08
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Nitrobenzene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
n-Nitrosodiethylamine	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
n-Nitrosodimethylamine	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
n-Nitroso-di-n-butylamine	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
n-Nitroso-di-n-propylamine	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
n-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
n-Nitrosomethylethylamine	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
n-Nitrosomorpholine	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
n-Nitrosopiperidine	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
n-Nitrosopyrrolidine	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
o,o,o-Triethyl phosphorothioate	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
o-Cresol	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
o-Toluidine	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
p-(dimethylamino)Azobenzene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Parathion	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
p-Chloroaniline	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Pentachlorobenzene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Pentachloronitrobenzene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Pentachlorophenol	ND	ug/L		50		SW8270C	03/20/08 00:29 / dsm
Phenacetin	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Phenanthrene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Phenol	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Phorate	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Pronamide	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Pyrene	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Pyridine	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Safrole	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Sulfotep	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Thionazin	ND	ug/L		10		SW8270C	03/20/08 00:29 / dsm
Surr: 2,4,6-Tribromophenol	34.0	%REC		21-130		SW8270C	03/20/08 00:29 / dsm
Surr: 2-Fluorobiphenyl	36.0	%REC		28-107		SW8270C	03/20/08 00:29 / dsm
Surr: 2-Fluorophenol	20.0	%REC		20-56		SW8270C	03/20/08 00:29 / dsm
Surr: Nitrobenzene-d5	37.0	%REC		32-94		SW8270C	03/20/08 00:29 / dsm
Surr: Phenol-d5	22.0	%REC		19-45		SW8270C	03/20/08 00:29 / dsm
Surr: Terphenyl-d14	35.0	%REC		32-122		SW8270C	03/20/08 00:29 / dsm
8081A-ORGANOCHLORINE PESTICIDES							
4,4´-DDD	ND	ug/L		0.050		SW8081A	03/24/08 18:33 / ldw
4,4´-DDE	ND	ug/L		0.050		SW8081A	03/24/08 18:33 / ldw
4,4´-DDT	ND	ug/L		0.050		SW8081A	03/24/08 18:05 / ldw
Aldrin	ND	ug/L		0.050		SW8081A	03/24/08 18:33 / ldw
alpha-BHC	ND	ug/L		0.050		SW8081A	03/24/08 18:33 / ldw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08031019-001
Client Sample ID: BSB-GW-02

Report Date: 04/07/08
Collection Date: 03/12/08 11:45
DateReceived: 03/14/08
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
8081A-ORGANOCHLORINE PESTICIDES							
alpha-Chlordane	ND	ug/L		0.050		SW8081A	03/24/08 18:33 / ldw
beta-BHC	ND	ug/L		0.050		SW8081A	03/24/08 18:33 / ldw
Chlordane	ND	ug/L		0.50		SW8081A	03/24/08 18:33 / ldw
delta-BHC	ND	ug/L		0.050		SW8081A	03/24/08 18:33 / ldw
Dieldrin	ND	ug/L		0.050		SW8081A	03/24/08 18:33 / ldw
Endosulfan I	ND	ug/L		0.050		SW8081A	03/24/08 18:33 / ldw
Endosulfan II	ND	ug/L		0.050		SW8081A	03/24/08 18:33 / ldw
Endosulfan sulfate	ND	ug/L		0.050		SW8081A	03/24/08 18:33 / ldw
Endrin	ND	ug/L		0.050		SW8081A	03/24/08 18:33 / ldw
Endrin aldehyde	ND	ug/L		0.050		SW8081A	03/24/08 18:33 / ldw
Endrin ketone	ND	ug/L		0.050		SW8081A	03/24/08 18:33 / ldw
gamma-BHC (Lindane)	ND	ug/L		0.050		SW8081A	03/24/08 18:33 / ldw
gamma-Chlordane	ND	ug/L		0.050		SW8081A	03/24/08 18:33 / ldw
Heptachlor	ND	ug/L		0.050		SW8081A	03/24/08 18:33 / ldw
Heptachlor epoxide	ND	ug/L		0.050		SW8081A	03/24/08 18:33 / ldw
Isodrin	ND	ug/L		0.050		SW8081A	03/24/08 18:33 / ldw
Kepone	ND	ug/L		0.10		SW8081A	03/24/08 18:33 / ldw
Methoxychlor	ND	ug/L		0.050		SW8081A	03/24/08 18:05 / ldw
Toxaphene	ND	ug/L		5.0		SW8081A	03/24/08 18:33 / ldw
Surr: Decachlorobiphenyl	75.0	%REC		44-119		SW8081A	03/24/08 18:33 / ldw
Surr: Tetrachloro-m-xylene	57.0	%REC		40-120		SW8081A	03/24/08 18:33 / ldw
HERBICIDES, CHLORINATED							
2,4-D	ND	ug/L		1.0		SW8151A	03/31/08 15:13 / jkh
Dinoseb	ND	ug/L		1.0		SW8151A	03/31/08 15:13 / jkh
2,4,5-T	ND	ug/L		0.20		SW8151A	03/31/08 15:13 / jkh
2,4,5-TP (Silvex)	ND	ug/L		0.20		SW8151A	03/31/08 15:13 / jkh
Surr: DCAA	81.0	%REC		57-125		SW8151A	03/31/08 15:13 / jkh
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	ug/L		0.50		SW8082	03/24/08 18:33 / ldw
Aroclor 1221	ND	ug/L		0.50		SW8082	03/24/08 18:33 / ldw
Aroclor 1232	ND	ug/L		0.50		SW8082	03/24/08 18:33 / ldw
Aroclor 1242	ND	ug/L		0.50		SW8082	03/24/08 18:33 / ldw
Aroclor 1248	ND	ug/L		0.50		SW8082	03/24/08 18:33 / ldw
Aroclor 1254	ND	ug/L		0.50		SW8082	03/24/08 18:33 / ldw
Aroclor 1260	ND	ug/L		0.50		SW8082	03/24/08 18:33 / ldw
Aroclor 1262	ND	ug/L		0.50		SW8082	03/24/08 18:33 / ldw
Aroclor 1268	ND	ug/L		0.50		SW8082	03/24/08 18:33 / ldw
Surr: Decachlorobiphenyl	75.0	%REC		44-119		SW8082	03/24/08 18:33 / ldw
Surr: Tetrachloro-m-xylene	57.0	%REC		40-120		SW8082	03/24/08 18:33 / ldw

Report Definitions:
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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08031019-002
Client Sample ID: BSB-GW-04

Report Date: 04/07/08
Collection Date: 03/12/08 12:30
DateReceived: 03/14/08
Matrix: Ground Water

BSB-A6-R

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	7.3	ug/L	J	20		SW8260B	03/18/08 15:33 / mld
Acetonitrile	ND	ug/L		20		SW8260B	03/18/08 15:33 / mld
Acrolein	ND	ug/L		20		SW8260B	03/18/08 19:21 / mld
Acrylonitrile	ND	ug/L		20		SW8260B	03/18/08 19:21 / mld
Allyl chloride	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
Benzene	0.56	ug/L	J	1.0		SW8260B	03/18/08 15:33 / mld
Bromochloromethane	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
Bromodichloromethane	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
Bromoform	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
Bromomethane	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
Carbon disulfide	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
Chlorobenzene	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
Chloroethane	0.60	ug/L	J	1.0		SW8260B	03/18/08 15:33 / mld
Chloroform	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
Chloromethane	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
Chloroprene	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
Dibromomethane	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
1,4-Dichlorobenzene	2.7	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
Dichlorodifluoromethane	2.3	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
1,1-Dichloroethane	1.8	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
cis-1,2-Dichloroethene	9.1	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
1,2-Dichloropropane	0.52	ug/L	J	1.0		SW8260B	03/18/08 15:33 / mld
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
Ethylbenzene	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
2-Hexanone	ND	ug/L		20		SW8260B	03/18/08 15:33 / mld
Iodomethane	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08031019-002
Client Sample ID: BSB-GW-04

Report Date: 04/07/08
Collection Date: 03/12/08 12:30
DateReceived: 03/14/08
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Isobutanol	ND	ug/L		50		SW8260B	03/18/08 15:33 / mld
Methacrylonitrile	ND	ug/L		20		SW8260B	03/18/08 15:33 / mld
Methyl ethyl ketone	ND	ug/L		20		SW8260B	03/18/08 15:33 / mld
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	03/18/08 15:33 / mld
Methyl methacrylate	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
Methylene chloride	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
Naphthalene	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
Pentachloroethane	ND	ug/L		2.0		SW8260B	03/18/08 15:33 / mld
Propionitrile	ND	ug/L		20		SW8260B	03/18/08 15:33 / mld
Styrene	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
Tetrachloroethene	0.49	ug/L	J	1.0		SW8260B	03/18/08 15:33 / mld
Toluene	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
Trichloroethene	0.66	ug/L	J	1.0		SW8260B	03/18/08 15:33 / mld
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
Vinyl acetate	ND	ug/L	C	1.0		SW8260B	03/18/08 15:33 / mld
Vinyl chloride	6.7	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
m+p-Xylenes	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
o-Xylene	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
Xylenes, Total	ND	ug/L		1.0		SW8260B	03/18/08 15:33 / mld
Surr: 1,2-Dichloroethane-d4	88.0	%REC		70-130		SW8260B	03/18/08 15:33 / mld
Surr: Dibromofluoromethane	98.0	%REC		77-126		SW8260B	03/18/08 15:33 / mld
Surr: p-Bromofluorobenzene	99.0	%REC		76-127		SW8260B	03/18/08 15:33 / mld
Surr: Toluene-d8	107	%REC		79-122		SW8260B	03/18/08 15:33 / mld
- C=The continuing calibration verification did not contain vinyl acetate.							
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4,5-Tetrachlorobenzene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
1,2-Dichlorobenzene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
1,3,5-Trinitrobenzene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
1,3-Dinitrobenzene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
1,4-Benzenediamine	ND	ug/L	P			SW8270C	03/20/08 01:00 / dsm
1,4-Dichlorobenzene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
1,4-Naphthoquinone	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
1-Methylnaphthalene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
C - The continuing calibration verification exceeded the QC advisory limits.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
J - Estimated value. The analyte was present but less than the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08031019-002
Client Sample ID: BSB-GW-04

Report Date: 04/07/08
Collection Date: 03/12/08 12:30
DateReceived: 03/14/08
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
1-Naphthylamine	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
2,3,4,6-Tetrachlorophenol	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
2,4,5-Trichlorophenol	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
2,4,6-Trichlorophenol	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
2,4-Dichlorophenol	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
2,4-Dimethylphenol	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
2,4-Dinitrophenol	ND	ug/L		50		SW8270C	03/20/08 01:00 / dsm
2,4-Dinitrotoluene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
2,6-Dichlorophenol	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
2,6-Dinitrotoluene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
2-Acetylaminofluorene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
2-Chloronaphthalene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
2-Chlorophenol	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
2-Methylnaphthalene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
2-Naphthylamine	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
2-Nitroaniline	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
2-Nitrophenol	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
2-Picoline	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
3,3´-Dichlorobenzidine	ND	ug/L		20		SW8270C	03/20/08 01:00 / dsm
3,3´-Dimethylbenzidine	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
3-Methylcholanthrene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
3-Nitroaniline	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
4,6-Dinitro-2-methylphenol	ND	ug/L		50		SW8270C	03/20/08 01:00 / dsm
4-Aminobiphenyl	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
4-Bromophenyl phenyl ether	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
4-Chloro-2-methylphenol	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
4-Chloro-3-methylphenol	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
4-Chlorophenol	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
4-Chlorophenyl phenyl ether	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
4-Nitroaniline	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
4-Nitrophenol	ND	ug/L		50		SW8270C	03/20/08 01:00 / dsm
4-Nitroquinoline-n-oxide	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
5-Nitro-o-toluidine	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
7,12-Dimethylbenz(a)anthracene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
a,a-Dimethylphenethylamine	ND	ug/L	P			SW8270C	03/20/08 01:00 / dsm
Acenaphthene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Acenaphthylene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Acetophenone	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Aniline	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Anthracene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Aramite	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Azobenzene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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800-735-4489 • 406-2[illegible]325 • 406-252-6069 fax • eli@energylab.com

LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08031019-002
Client Sample ID: BSB-GW-04

Report Date: 04/07/08
Collection Date: 03/12/08 12:30
DateReceived: 03/14/08
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Benzidine	ND	ug/L		20		SW8270C	03/20/08 01:00 / dsm
Benzo(a)anthracene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Benzo(a)pyrene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Benzo(b)fluoranthene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Benzo(g,h,i)perylene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Benzo(k)fluoranthene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Benzyl alcohol	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
bis(-2-chloroethoxy)Methane	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
bis(-2-chloroethyl)Ether	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
bis(2-chloroisopropyl)Ether	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
bis(2-ethylhexyl)Phthalate	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Butylbenzylphthalate	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Chlorobenzilate	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Chrysene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Diallate	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Dibenzo(a,h)anthracene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Dibenzofuran	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Diethyl phthalate	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Dimethoate	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Dimethyl phthalate	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Di-n-butyl phthalate	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Di-n-octyl phthalate	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Diphenylamine	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Disulfoton	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Ethyl methanesulfonate	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Famphur	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Fluoranthene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Fluorene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Hexachlorobenzene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Hexachlorobutadiene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Hexachlorocyclopentadiene	ND	ug/L		20		SW8270C	03/20/08 01:00 / dsm
Hexachloroethane	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Hexachlorophene	ND	ug/L	P			SW8270C	03/20/08 01:00 / dsm
Hexachloropropene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Indeno(1,2,3-cd)pyrene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Isophorone	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Isosafrole	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
m+p-Cresols	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Methapyrilene	ND	ug/L	P			SW8270C	03/20/08 01:00 / dsm
Methyl methanesulfonate	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Methyl parathion	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Naphthalene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm

Report Definitions:
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MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08031019-002
Client Sample ID: BSB-GW-04

Report Date: 04/07/08
Collection Date: 03/12/08 12:30
DateReceived: 03/14/08
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Nitrobenzene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
n-Nitrosodiethylamine	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
n-Nitrosodimethylamine	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
n-Nitroso-di-n-butylamine	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
n-Nitroso-di-n-propylamine	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
n-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
n-Nitrosomethylethylamine	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
n-Nitrosomorpholine	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
n-Nitrosopiperidine	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
n-Nitrosopyrrolidine	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
o,o,o-Triethyl phosphorothioate	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
o-Cresol	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
o-Toluidine	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
p-(dimethylamino)Azobenzene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Parathion	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
p-Chloroaniline	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Pentachlorobenzene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Pentachloronitrobenzene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Pentachlorophenol	ND	ug/L		50		SW8270C	03/20/08 01:00 / dsm
Phenacetin	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Phenanthrene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Phenol	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Phorate	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Pronamide	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Pyrene	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Pyridine	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Safrole	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Sulfotep	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Thionazin	ND	ug/L		10		SW8270C	03/20/08 01:00 / dsm
Surr: 2,4,6-Tribromophenol	28.0	%REC		21-130		SW8270C	03/20/08 01:00 / dsm
Surr: 2-Fluorobiphenyl	30.0	%REC		28-107		SW8270C	03/20/08 01:00 / dsm
Surr: 2-Fluorophenol	22.0	%REC		20-56		SW8270C	03/20/08 01:00 / dsm
Surr: Nitrobenzene-d5	35.0	%REC		32-94		SW8270C	03/20/08 01:00 / dsm
Surr: Phenol-d5	21.0	%REC		19-45		SW8270C	03/20/08 01:00 / dsm
Surr: Terphenyl-d14	28.0	%REC	S	32-122		SW8270C	03/20/08 01:00 / dsm
8081A-ORGANOCHLORINE PESTICIDES							
4,4´-DDD	ND	ug/L		0.050		SW8081A	03/24/08 17:08 / ldw
4,4´-DDE	ND	ug/L		0.050		SW8081A	03/24/08 17:08 / ldw
4,4´-DDT	ND	ug/L		0.050		SW8081A	03/24/08 16:40 / ldw
Aldrin	ND	ug/L		0.050		SW8081A	03/24/08 17:08 / ldw
alpha-BHC	ND	ug/L		0.050		SW8081A	03/24/08 17:08 / ldw

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QCL - Quality control limit.
S - Spike recovery outside of advisory limits.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08031019-002
Client Sample ID: BSB-GW-04

Report Date: 04/07/08
Collection Date: 03/12/08 12:30
DateReceived: 03/14/08
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
8081A-ORGANOCHLORINE PESTICIDES							
alpha-Chlordane	ND	ug/L		0.050		SW8081A	03/24/08 17:08 / ldw
beta-BHC	ND	ug/L		0.050		SW8081A	03/24/08 17:08 / ldw
Chlordane	ND	ug/L		0.50		SW8081A	03/24/08 17:08 / ldw
delta-BHC	ND	ug/L		0.050		SW8081A	03/24/08 17:08 / ldw
Dieldrin	ND	ug/L		0.050		SW8081A	03/24/08 17:08 / ldw
Endosulfan I	ND	ug/L		0.050		SW8081A	03/24/08 17:08 / ldw
Endosulfan II	ND	ug/L		0.050		SW8081A	03/24/08 17:08 / ldw
Endosulfan sulfate	ND	ug/L		0.050		SW8081A	03/24/08 17:08 / ldw
Endrin	ND	ug/L		0.050		SW8081A	03/24/08 17:08 / ldw
Endrin aldehyde	ND	ug/L		0.050		SW8081A	03/24/08 17:08 / ldw
Endrin ketone	ND	ug/L		0.050		SW8081A	03/24/08 17:08 / ldw
gamma-BHC (Lindane)	ND	ug/L		0.050		SW8081A	03/24/08 17:08 / ldw
gamma-Chlordane	ND	ug/L		0.050		SW8081A	03/24/08 17:08 / ldw
Heptachlor	ND	ug/L		0.050		SW8081A	03/24/08 17:08 / ldw
Heptachlor epoxide	ND	ug/L		0.050		SW8081A	03/24/08 17:08 / ldw
Isodrin	ND	ug/L		0.050		SW8081A	03/24/08 17:08 / ldw
Kepone	ND	ug/L		0.10		SW8081A	03/24/08 17:08 / ldw
Methoxychlor	ND	ug/L		0.050		SW8081A	03/24/08 16:40 / ldw
Toxaphene	ND	ug/L		5.0		SW8081A	03/24/08 17:08 / ldw
Surr: Decachlorobiphenyl	31.0	%REC	S	44-119		SW8081A	03/24/08 17:08 / ldw
Surr: Tetrachloro-m-xylene	57.0	%REC		40-120		SW8081A	03/24/08 17:08 / ldw
HERBICIDES, CHLORINATED							
2,4-D	ND	ug/L		1.0		SW8151A	03/31/08 16:50 / jkh
Dinoseb	ND	ug/L		1.0		SW8151A	03/31/08 16:50 / jkh
2,4,5-T	ND	ug/L		0.20		SW8151A	03/31/08 16:50 / jkh
2,4,5-TP (Silvex)	ND	ug/L		0.20		SW8151A	03/31/08 16:50 / jkh
Surr: DCAA	76.0	%REC		57-125		SW8151A	03/31/08 16:50 / jkh
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	ug/L		0.50		SW8082	03/24/08 17:08 / ldw
Aroclor 1221	ND	ug/L		0.50		SW8082	03/24/08 17:08 / ldw
Aroclor 1232	ND	ug/L		0.50		SW8082	03/24/08 17:08 / ldw
Aroclor 1242	ND	ug/L		0.50		SW8082	03/24/08 17:08 / ldw
Aroclor 1248	ND	ug/L		0.50		SW8082	03/24/08 17:08 / ldw
Aroclor 1254	ND	ug/L		0.50		SW8082	03/24/08 17:08 / ldw
Aroclor 1260	ND	ug/L		0.50		SW8082	03/24/08 17:08 / ldw
Aroclor 1262	ND	ug/L		0.50		SW8082	03/24/08 17:08 / ldw
Aroclor 1268	ND	ug/L		0.50		SW8082	03/24/08 17:08 / ldw
Surr: Decachlorobiphenyl	31.0	%REC	S	44-119		SW8082	03/24/08 17:08 / ldw
Surr: Tetrachloro-m-xylene	57.0	%REC		40-120		SW8082	03/24/08 17:08 / ldw

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MCL - Maximum contaminant level.
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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08031019-003
Client Sample ID: BSB-GW-07

Report Date: 04/07/08
Collection Date: 03/12/08 13:00
DateReceived: 03/14/08
Matrix: Ground Water

BSB-A6-R Dup

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	6.3	ug/L	J	20		SW8260B	03/18/08 16:01 / mld
Acetonitrile	ND	ug/L		20		SW8260B	03/18/08 16:01 / mld
Acrolein	ND	ug/L		20		SW8260B	03/18/08 19:49 / mld
Acrylonitrile	ND	ug/L		20		SW8260B	03/18/08 19:49 / mld
Allyl chloride	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
Benzene	0.50	ug/L	J	1.0		SW8260B	03/18/08 16:01 / mld
Bromochloromethane	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
Bromodichloromethane	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
Bromoform	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
Bromomethane	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
Carbon disulfide	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
Chlorobenzene	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
Chloroethane	0.47	ug/L	J	1.0		SW8260B	03/18/08 16:01 / mld
Chloroform	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
Chloromethane	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
Chloroprene	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
Dibromomethane	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
1,4-Dichlorobenzene	2.3	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
Dichlorodifluoromethane	2.2	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
1,1-Dichloroethane	1.7	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
cis-1,2-Dichloroethene	7.8	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
1,2-Dichloropropane	0.52	ug/L	J	1.0		SW8260B	03/18/08 16:01 / mld
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
Ethylbenzene	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
2-Hexanone	ND	ug/L		20		SW8260B	03/18/08 16:01 / mld
Iodomethane	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld

Report Definitions:
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QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08031019-003
Client Sample ID: BSB-GW-07

Report Date: 04/07/08
Collection Date: 03/12/08 13:00
DateReceived: 03/14/08
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Isobutanol	ND	ug/L		50		SW8260B	03/18/08 16:01 / mld
Methacrylonitrile	ND	ug/L		20		SW8260B	03/18/08 16:01 / mld
Methyl ethyl ketone	ND	ug/L		20		SW8260B	03/18/08 16:01 / mld
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	03/18/08 16:01 / mld
Methyl methacrylate	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
Methylene chloride	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
Naphthalene	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
Pentachloroethane	ND	ug/L		2.0		SW8260B	03/18/08 16:01 / mld
Propionitrile	ND	ug/L		20		SW8260B	03/18/08 16:01 / mld
Styrene	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
Tetrachloroethene	0.45	ug/L	J	1.0		SW8260B	03/18/08 16:01 / mld
Toluene	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
Trichloroethene	0.55	ug/L	J	1.0		SW8260B	03/18/08 16:01 / mld
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
Vinyl acetate	ND	ug/L	C	1.0		SW8260B	03/18/08 16:01 / mld
Vinyl chloride	5.7	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
m+p-Xylenes	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
o-Xylene	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
Xylenes, Total	ND	ug/L		1.0		SW8260B	03/18/08 16:01 / mld
Surr: 1,2-Dichloroethane-d4	88.0	%REC		70-130		SW8260B	03/18/08 16:01 / mld
Surr: Dibromofluoromethane	96.0	%REC		77-126		SW8260B	03/18/08 16:01 / mld
Surr: p-Bromofluorobenzene	100	%REC		76-127		SW8260B	03/18/08 16:01 / mld
Surr: Toluene-d8	107	%REC		79-122		SW8260B	03/18/08 16:01 / mld

- C=The continuing calibration verification did not contain vinyl acetate.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
C - The continuing calibration verification exceeded the QC advisory limits.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
J - Estimated value. The analyte was present but less than the reporting limit.

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800-735-4489 • 406-[illegible]6325 • 406-252-6069 fax • eli@energylab.com

LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08031019-004
Client Sample ID: BSB-GW-03

Report Date: 04/07/08
Collection Date: 03/12/08 13:30
DateReceived: 03/14/08
Matrix: Ground Water

BSB-A5

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	03/18/08 16:30 / mld
Acetonitrile	ND	ug/L		20		SW8260B	03/18/08 16:30 / mld
Acrolein	ND	ug/L		20		SW8260B	03/18/08 18:24 / mld
Acrylonitrile	ND	ug/L		20		SW8260B	03/18/08 18:24 / mld
Allyl chloride	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
Benzene	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
Bromochloromethane	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
Bromodichloromethane	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
Bromoform	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
Bromomethane	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
Carbon disulfide	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
Chlorobenzene	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
Chloroethane	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
Chloroform	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
Chloromethane	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
Chloroprene	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
Dibromomethane	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
cis-1,2-Dichloroethene	0.89	ug/L	J	1.0		SW8260B	03/18/08 16:30 / mld
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
Ethylbenzene	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
2-Hexanone	ND	ug/L		20		SW8260B	03/18/08 16:30 / mld
Iodomethane	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld

Report Definitions:
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QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08031019-004
Client Sample ID: BSB-GW-03

Report Date: 04/07/08
Collection Date: 03/12/08 13:30
DateReceived: 03/14/08
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Isobutanol	ND	ug/L		50		SW8260B	03/18/08 16:30 / mld
Methacrylonitrile	ND	ug/L		20		SW8260B	03/18/08 16:30 / mld
Methyl ethyl ketone	ND	ug/L		20		SW8260B	03/18/08 16:30 / mld
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	03/18/08 16:30 / mld
Methyl methacrylate	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
Methylene chloride	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
Naphthalene	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
Pentachloroethane	ND	ug/L		2.0		SW8260B	03/18/08 16:30 / mld
Propionitrile	ND	ug/L		20		SW8260B	03/18/08 16:30 / mld
Styrene	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
Tetrachloroethene	0.68	ug/L	J	1.0		SW8260B	03/18/08 16:30 / mld
Toluene	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
Trichloroethene	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
Vinyl acetate	ND	ug/L	C	1.0		SW8260B	03/18/08 16:30 / mld
Vinyl chloride	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
m+p-Xylenes	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
o-Xylene	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
Xylenes, Total	ND	ug/L		1.0		SW8260B	03/18/08 16:30 / mld
Surr: 1,2-Dichloroethane-d4	90.0	%REC		70-130		SW8260B	03/18/08 16:30 / mld
Surr: Dibromofluoromethane	98.0	%REC		77-126		SW8260B	03/18/08 16:30 / mld
Surr: p-Bromofluorobenzene	97.0	%REC		76-127		SW8260B	03/18/08 16:30 / mld
Surr: Toluene-d8	107	%REC		79-122		SW8260B	03/18/08 16:30 / mld
- C=The continuing calibration verification did not contain vinyl acetate.							
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4,5-Tetrachlorobenzene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
1,2-Dichlorobenzene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
1,3,5-Trinitrobenzene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
1,3-Dinitrobenzene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
1,4-Benzenediamine	ND	ug/L	P			SW8270C	03/20/08 01:31 / dsm
1,4-Dichlorobenzene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
1,4-Naphthoquinone	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
1-Methylnaphthalene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
C - The continuing calibration verification exceeded the QC advisory limits.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
J - Estimated value. The analyte was present but less than the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08031019-004
Client Sample ID: BSB-GW-03

Report Date: 04/07/08
Collection Date: 03/12/08 13:30
DateReceived: 03/14/08
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
1-Naphthylamine	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
2,3,4,6-Tetrachlorophenol	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
2,4,5-Trichlorophenol	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
2,4,6-Trichlorophenol	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
2,4-Dichlorophenol	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
2,4-Dimethylphenol	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
2,4-Dinitrophenol	ND	ug/L		50		SW8270C	03/20/08 01:31 / dsm
2,4-Dinitrotoluene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
2,6-Dichlorophenol	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
2,6-Dinitrotoluene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
2-Acetylaminofluorene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
2-Chloronaphthalene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
2-Chlorophenol	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
2-Methylnaphthalene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
2-Naphthylamine	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
2-Nitroaniline	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
2-Nitrophenol	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
2-Picoline	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
3,3´-Dichlorobenzidine	ND	ug/L		20		SW8270C	03/20/08 01:31 / dsm
3,3´-Dimethylbenzidine	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
3-Methylcholanthrene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
3-Nitroaniline	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
4,6-Dinitro-2-methylphenol	ND	ug/L		50		SW8270C	03/20/08 01:31 / dsm
4-Aminobiphenyl	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
4-Bromophenyl phenyl ether	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
4-Chloro-2-methylphenol	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
4-Chloro-3-methylphenol	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
4-Chlorophenol	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
4-Chlorophenyl phenyl ether	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
4-Nitroaniline	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
4-Nitrophenol	ND	ug/L		50		SW8270C	03/20/08 01:31 / dsm
4-Nitroquinoline-n-oxide	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
5-Nitro-o-toluidine	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
7,12-Dimethylbenz(a)anthracene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
a,a-Dimethylphenethylamine	ND	ug/L	P			SW8270C	03/20/08 01:31 / dsm
Acenaphthene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Acenaphthylene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Acetophenone	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Aniline	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Anthracene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Aramite	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Azobenzene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08031019-004
Client Sample ID: BSB-GW-03

Report Date: 04/07/08
Collection Date: 03/12/08 13:30
DateReceived: 03/14/08
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Benzidine	ND	ug/L		20		SW8270C	03/20/08 01:31 / dsm
Benzo(a)anthracene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Benzo(a)pyrene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Benzo(b)fluoranthene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Benzo(g,h,i)perylene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Benzo(k)fluoranthene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Benzyl alcohol	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
bis(-2-chloroethoxy)Methane	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
bis(-2-chloroethyl)Ether	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
bis(2-chloroisopropyl)Ether	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
bis(2-ethylhexyl)Phthalate	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Butylbenzylphthalate	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Chlorobenzilate	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Chrysene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Diallate	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Dibenzo(a,h)anthracene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Dibenzofuran	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Diethyl phthalate	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Dimethoate	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Dimethyl phthalate	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Di-n-butyl phthalate	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Di-n-octyl phthalate	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Diphenylamine	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Disulfoton	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Ethyl methanesulfonate	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Famphur	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Fluoranthene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Fluorene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Hexachlorobenzene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Hexachlorobutadiene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Hexachlorocyclopentadiene	ND	ug/L		20		SW8270C	03/20/08 01:31 / dsm
Hexachloroethane	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Hexachlorophene	ND	ug/L	P			SW8270C	03/20/08 01:31 / dsm
Hexachloropropene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Indeno(1,2,3-cd)pyrene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Isophorone	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Isosafrole	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
m+p-Cresols	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Methapyrilene	ND	ug/L	P			SW8270C	03/20/08 01:31 / dsm
Methyl methanesulfonate	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Methyl parathion	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Naphthalene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm

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P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08031019-004
Client Sample ID: BSB-GW-03

Report Date: 04/07/08
Collection Date: 03/12/08 13:30
DateReceived: 03/14/08
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Nitrobenzene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
n-Nitrosodiethylamine	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
n-Nitrosodimethylamine	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
n-Nitroso-di-n-butylamine	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
n-Nitroso-di-n-propylamine	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
n-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
n-Nitrosomethylethylamine	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
n-Nitrosomorpholine	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
n-Nitrosopiperidine	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
n-Nitrosopyrrolidine	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
o,o,o-Triethyl phosphorothioate	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
o-Cresol	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
o-Toluidine	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
p-(dimethylamino)Azobenzene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Parathion	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
p-Chloroaniline	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Pentachlorobenzene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Pentachloronitrobenzene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Pentachlorophenol	ND	ug/L		50		SW8270C	03/20/08 01:31 / dsm
Phenacetin	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Phenanthrene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Phenol	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Phorate	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Pronamide	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Pyrene	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Pyridine	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Safrole	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Sulfotep	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Thionazin	ND	ug/L		10		SW8270C	03/20/08 01:31 / dsm
Surr: 2,4,6-Tribromophenol	35.0	%REC		21-130		SW8270C	03/20/08 01:31 / dsm
Surr: 2-Fluorobiphenyl	37.0	%REC		28-107		SW8270C	03/20/08 01:31 / dsm
Surr: 2-Fluorophenol	21.0	%REC		20-56		SW8270C	03/20/08 01:31 / dsm
Surr: Nitrobenzene-d5	39.0	%REC		32-94		SW8270C	03/20/08 01:31 / dsm
Surr: Phenol-d5	22.0	%REC		19-45		SW8270C	03/20/08 01:31 / dsm
Surr: Terphenyl-d14	40.0	%REC		32-122		SW8270C	03/20/08 01:31 / dsm
8081A-ORGANOCHLORINE PESTICIDES							
4,4'-DDD	ND	ug/L		0.050		SW8081A	03/24/08 17:37 / ldw
4,4'-DDE	ND	ug/L		0.050		SW8081A	03/24/08 17:37 / ldw
4,4'-DDT	ND	ug/L		0.050		SW8081A	03/24/08 17:08 / ldw
Aldrin	ND	ug/L		0.050		SW8081A	03/24/08 17:37 / ldw
alpha-BHC	ND	ug/L		0.050		SW8081A	03/24/08 17:37 / ldw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08031019-004
Client Sample ID: BSB-GW-03

Report Date: 04/07/08
Collection Date: 03/12/08 13:30
DateReceived: 03/14/08
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
8081A-ORGANOCHLORINE PESTICIDES							
alpha-Chlordane	ND	ug/L		0.050		SW8081A	03/24/08 17:37 / ldw
beta-BHC	ND	ug/L		0.050		SW8081A	03/24/08 17:37 / ldw
Chlordane	ND	ug/L		0.50		SW8081A	03/24/08 17:37 / ldw
delta-BHC	ND	ug/L		0.050		SW8081A	03/24/08 17:37 / ldw
Dieldrin	ND	ug/L		0.050		SW8081A	03/24/08 17:37 / ldw
Endosulfan I	ND	ug/L		0.050		SW8081A	03/24/08 17:37 / ldw
Endosulfan II	ND	ug/L		0.050		SW8081A	03/24/08 17:37 / ldw
Endosulfan sulfate	ND	ug/L		0.050		SW8081A	03/24/08 17:37 / ldw
Endrin	ND	ug/L		0.050		SW8081A	03/24/08 17:37 / ldw
Endrin aldehyde	ND	ug/L		0.050		SW8081A	03/24/08 17:37 / ldw
Endrin ketone	ND	ug/L		0.050		SW8081A	03/24/08 17:37 / ldw
gamma-BHC (Lindane)	ND	ug/L		0.050		SW8081A	03/24/08 17:37 / ldw
gamma-Chlordane	ND	ug/L		0.050		SW8081A	03/24/08 17:37 / ldw
Heptachlor	ND	ug/L		0.050		SW8081A	03/24/08 17:37 / ldw
Heptachlor epoxide	ND	ug/L		0.050		SW8081A	03/24/08 17:37 / ldw
Isodrin	ND	ug/L		0.050		SW8081A	03/24/08 17:37 / ldw
Kepone	ND	ug/L		0.10		SW8081A	03/24/08 17:37 / ldw
Methoxychlor	ND	ug/L		0.050		SW8081A	03/24/08 17:08 / ldw
Toxaphene	ND	ug/L		5.0		SW8081A	03/24/08 17:37 / ldw
Surr: Decachlorobiphenyl	76.0	%REC		44-119		SW8081A	03/24/08 17:37 / ldw
Surr: Tetrachloro-m-xylene	57.0	%REC		40-120		SW8081A	03/24/08 17:37 / ldw
HERBICIDES, CHLORINATED							
2,4-D	ND	ug/L		1.0		SW8151A	03/31/08 17:23 / jkh
Dinoseb	ND	ug/L		1.0		SW8151A	03/31/08 17:23 / jkh
2,4,5-T	ND	ug/L		0.20		SW8151A	03/31/08 17:23 / jkh
2,4,5-TP (Silvex)	ND	ug/L		0.20		SW8151A	03/31/08 17:23 / jkh
Surr: DCAA	83.0	%REC		57-125		SW8151A	03/31/08 17:23 / jkh
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	ug/L		0.50		SW8082	03/24/08 17:37 / ldw
Aroclor 1221	ND	ug/L		0.50		SW8082	03/24/08 17:37 / ldw
Aroclor 1232	ND	ug/L		0.50		SW8082	03/24/08 17:37 / ldw
Aroclor 1242	ND	ug/L		0.50		SW8082	03/24/08 17:37 / ldw
Aroclor 1248	ND	ug/L		0.50		SW8082	03/24/08 17:37 / ldw
Aroclor 1254	ND	ug/L		0.50		SW8082	03/24/08 17:37 / ldw
Aroclor 1260	ND	ug/L		0.50		SW8082	03/24/08 17:37 / ldw
Aroclor 1262	ND	ug/L		0.50		SW8082	03/24/08 17:37 / ldw
Aroclor 1268	ND	ug/L		0.50		SW8082	03/24/08 17:37 / ldw
Surr: Decachlorobiphenyl	76.0	%REC		44-119		SW8082	03/24/08 17:37 / ldw
Surr: Tetrachloro-m-xylene	57.0	%REC		40-120		SW8082	03/24/08 17:37 / ldw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08031019-005
Client Sample ID: BSB-GW-01

Report Date: 04/07/08
Collection Date: 03/12/08 14:45
DateReceived: 03/14/08
Matrix: Ground Water

MBMG-2

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	03/18/08 16:58 / mld
Acetonitrile	ND	ug/L		20		SW8260B	03/18/08 16:58 / mld
Acrolein	ND	ug/L		20		SW8260B	03/18/08 18:52 / mld
Acrylonitrile	ND	ug/L		20		SW8260B	03/18/08 18:52 / mld
Allyl chloride	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
Benzene	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
Bromochloromethane	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
Bromodichloromethane	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
Bromoform	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
Bromomethane	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
Carbon disulfide	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
Chlorobenzene	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
Chloroethane	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
Chloroform	0.40	ug/L	J	1.0		SW8260B	03/18/08 16:58 / mld
Chloromethane	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
Chloroprene	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
Dibromomethane	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
Ethylbenzene	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
2-Hexanone	ND	ug/L		20		SW8260B	03/18/08 16:58 / mld
Iodomethane	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08031019-005
Client Sample ID: BSB-GW-01

Report Date: 04/07/08
Collection Date: 03/12/08 14:45
DateReceived: 03/14/08
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Isobutanol	ND	ug/L		50		SW8260B	03/18/08 16:58 / mld
Methacrylonitrile	ND	ug/L		20		SW8260B	03/18/08 16:58 / mld
Methyl ethyl ketone	ND	ug/L		20		SW8260B	03/18/08 16:58 / mld
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	03/18/08 16:58 / mld
Methyl methacrylate	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
Methylene chloride	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
Naphthalene	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
Pentachloroethane	ND	ug/L		2.0		SW8260B	03/18/08 16:58 / mld
Propionitrile	ND	ug/L		20		SW8260B	03/18/08 16:58 / mld
Styrene	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
Tetrachloroethene	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
Toluene	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
Trichloroethene	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
Vinyl acetate	ND	ug/L	C	1.0		SW8260B	03/18/08 16:58 / mld
Vinyl chloride	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
m+p-Xylenes	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
o-Xylene	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
Xylenes, Total	ND	ug/L		1.0		SW8260B	03/18/08 16:58 / mld
Surr: 1,2-Dichloroethane-d4	88.0	%REC		70-130		SW8260B	03/18/08 16:58 / mld
Surr: Dibromofluoromethane	97.0	%REC		77-126		SW8260B	03/18/08 16:58 / mld
Surr: p-Bromofluorobenzene	92.0	%REC		76-127		SW8260B	03/18/08 16:58 / mld
Surr: Toluene-d8	108	%REC		79-122		SW8260B	03/18/08 16:58 / mld
- C=The continuing calibration verification did not contain vinyl acetate.							
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4,5-Tetrachlorobenzene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
1,2-Dichlorobenzene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
1,3,5-Trinitrobenzene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
1,3-Dinitrobenzene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
1,4-Benzenediamine	ND	ug/L	P			SW8270C	03/20/08 02:02 / dsm
1,4-Dichlorobenzene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
1,4-Naphthoquinone	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
1-Methylnaphthalene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
C - The continuing calibration verification exceeded the QC advisory limits.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08031019-005
Client Sample ID: BSB-GW-01

Report Date: 04/07/08
Collection Date: 03/12/08 14:45
DateReceived: 03/14/08
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
1-Naphthylamine	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
2,3,4,6-Tetrachlorophenol	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
2,4,5-Trichlorophenol	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
2,4,6-Trichlorophenol	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
2,4-Dichlorophenol	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
2,4-Dimethylphenol	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
2,4-Dinitrophenol	ND	ug/L		50		SW8270C	03/20/08 02:02 / dsm
2,4-Dinitrotoluene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
2,6-Dichlorophenol	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
2,6-Dinitrotoluene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
2-Acetylaminofluorene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
2-Chloronaphthalene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
2-Chlorophenol	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
2-Methylnaphthalene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
2-Naphthylamine	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
2-Nitroaniline	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
2-Nitrophenol	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
2-Picoline	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
3,3´-Dichlorobenzidine	ND	ug/L		20		SW8270C	03/20/08 02:02 / dsm
3,3´-Dimethylbenzidine	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
3-Methylcholanthrene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
3-Nitroaniline	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
4,6-Dinitro-2-methylphenol	ND	ug/L		50		SW8270C	03/20/08 02:02 / dsm
4-Aminobiphenyl	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
4-Bromophenyl phenyl ether	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
4-Chloro-2-methylphenol	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
4-Chloro-3-methylphenol	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
4-Chlorophenol	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
4-Chlorophenyl phenyl ether	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
4-Nitroaniline	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
4-Nitrophenol	ND	ug/L		50		SW8270C	03/20/08 02:02 / dsm
4-Nitroquinoline-n-oxide	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
5-Nitro-o-toluidine	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
7,12-Dimethylbenz(a)anthracene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
a,a-Dimethylphenethylamine	ND	ug/L	P			SW8270C	03/20/08 02:02 / dsm
Acenaphthene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Acenaphthylene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Acetophenone	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Aniline	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Anthracene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Aramite	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Azobenzene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Duke Energy Gas Pipeline Services Group
Project: Gas Lateral
Lab ID: B[illegible]1705-001
Client Sample ID: SSB-GW-01

Report Date: 8/[illegible]/05
Collection Date: 08/[illegible]/05 14:45
Date Received: 08/[illegible]/05
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	PQL	MCL	Analysis Date / By
SW8260B VOLATILE ORGANIC COMPOUNDS						
1,1,1,2-Tetrachloroethane	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
1,1,1-Trichloroethane	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
1,1,2,2-Tetrachloroethane	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
1,1,2-Trichloroethane	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
1,1-Dichloroethane	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
1,1-Dichloroethene	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
1,2,3-Trichlorobenzene	ND	ug/L		50	SW8260C	08/[illegible]/05 [illegible]
1,2,4-Trichlorobenzene	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
1,2-Dibromo-3-chloropropane	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
1,2-Dichlorobenzene	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
1,2-Dichloroethane	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
1,2-Dichloropropane	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
1,3-Dichlorobenzene	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
1,4-Dichlorobenzene	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
2-Butanone (MEK)	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
2-Hexanone	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
4-Methyl-2-pentanone (MIBK)	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
Acetone	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
Acrylonitrile	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
Benzene	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
Bromobenzene	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
Bromochloromethane	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
Bromodichloromethane	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
Bromoform	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
Bromomethane	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
Carbon disulfide	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
Carbon tetrachloride	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
Chlorobenzene	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
Chloroethane	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
Chloroform	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
Chloromethane	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
cis-1,2-Dichloroethene	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
cis-1,3-Dichloropropene	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
Dibromochloromethane	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
Dibromomethane	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
Dichlorodifluoromethane	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
Ethylbenzene	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
Hexachlorobutadiene	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
Isopropylbenzene	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
Methylene chloride	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
Naphthalene	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
n-Butylbenzene	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
n-Propylbenzene	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
p-Isopropylbenzene	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
sec-Butylbenzene	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
Styrene	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
tert-Butylbenzene	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
Tetrachloroethene	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
Toluene	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
trans-1,2-Dichloroethene	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
trans-1,3-Dichloropropene	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
Trichloroethene	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
Trichlorofluoromethane	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
Vinyl chloride	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]
Xylenes, Total	ND	ug/L		10	SW8260C	08/[illegible]/05 [illegible]

Qualifiers: PQL - Quantitation Limit
DCL - Detection Limit
B - Analyte detected in the blank
J - Estimated value between MDL and PQL
E - Value exceeds calibration range
D - Dilution
ND - Not detected at the reporting limit

MCL - Maximum Contaminant Level
MDA - Minimum Detectable Activity

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08031019-005
Client Sample ID: BSB-GW-01

Report Date: 04/07/08
Collection Date: 03/12/08 14:45
DateReceived: 03/14/08
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Benzidine	ND	ug/L		20		SW8270C	03/20/08 02:02 / dsm
Benzo(a)anthracene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Benzo(a)pyrene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Benzo(b)fluoranthene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Benzo(g,h,i)perylene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Benzo(k)fluoranthene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Benzyl alcohol	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
bis(-2-chloroethoxy)Methane	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
bis(-2-chloroethyl)Ether	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
bis(2-chloroisopropyl)Ether	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
bis(2-ethylhexyl)Phthalate	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Butylbenzylphthalate	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Chlorobenzilate	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Chrysene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Diallate	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Dibenzo(a,h)anthracene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Dibenzofuran	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Diethyl phthalate	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Dimethoate	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Dimethyl phthalate	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Di-n-butyl phthalate	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Di-n-octyl phthalate	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Diphenylamine	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Disulfoton	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Ethyl methanesulfonate	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Famphur	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Fluoranthene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Fluorene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Hexachlorobenzene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Hexachlorobutadiene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Hexachlorocyclopentadiene	ND	ug/L		20		SW8270C	03/20/08 02:02 / dsm
Hexachloroethane	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Hexachlorophene	ND	ug/L	P			SW8270C	03/20/08 02:02 / dsm
Hexachloropropene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Indeno(1,2,3-cd)pyrene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Isophorone	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Isosafrole	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
m+p-Cresols	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Methapyrilene	ND	ug/L	P			SW8270C	03/20/08 02:02 / dsm
Methyl methanesulfonate	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Methyl parathion	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Naphthalene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08031019-005
Client Sample ID: BSB-GW-01

Report Date: 04/07/08
Collection Date: 03/12/08 14:45
DateReceived: 03/14/08
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Nitrobenzene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
n-Nitrosodiethylamine	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
n-Nitrosodimethylamine	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
n-Nitroso-di-n-butylamine	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
n-Nitroso-di-n-propylamine	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
n-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
n-Nitrosomethylethylamine	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
n-Nitrosomorpholine	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
n-Nitrosopiperidine	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
n-Nitrosopyrrolidine	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
o,o,o-Triethyl phosphorothioate	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
o-Cresol	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
o-Toluidine	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
p-(dimethylamino)Azobenzene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Parathion	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
p-Chloroaniline	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Pentachlorobenzene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Pentachloronitrobenzene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Pentachlorophenol	ND	ug/L		50		SW8270C	03/20/08 02:02 / dsm
Phenacetin	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Phenanthrene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Phenol	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Phorate	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Pronamide	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Pyrene	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Pyridine	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Safrole	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Sulfotep	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Thionazin	ND	ug/L		10		SW8270C	03/20/08 02:02 / dsm
Surr: 2,4,6-Tribromophenol	35.0	%REC		21-130		SW8270C	03/20/08 02:02 / dsm
Surr: 2-Fluorobiphenyl	37.0	%REC		28-107		SW8270C	03/20/08 02:02 / dsm
Surr: 2-Fluorophenol	22.0	%REC		20-56		SW8270C	03/20/08 02:02 / dsm
Surr: Nitrobenzene-d5	39.0	%REC		32-94		SW8270C	03/20/08 02:02 / dsm
Surr: Phenol-d5	22.0	%REC		19-45		SW8270C	03/20/08 02:02 / dsm
Surr: Terphenyl-d14	51.0	%REC		32-122		SW8270C	03/20/08 02:02 / dsm
8081A-ORGANOCHLORINE PESTICIDES							
4,4´-DDD	ND	ug/L		0.050		SW8081A	03/24/08 18:05 / ldw
4,4´-DDE	ND	ug/L		0.050		SW8081A	03/24/08 18:05 / ldw
4,4´-DDT	ND	ug/L		0.050		SW8081A	03/24/08 17:37 / ldw
Aldrin	ND	ug/L		0.050		SW8081A	03/24/08 18:05 / ldw
alpha-BHC	ND	ug/L		0.050		SW8081A	03/24/08 18:05 / ldw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08031019-005
Client Sample ID: BSB-GW-01

Report Date: 04/07/08
Collection Date: 03/12/08 14:45
DateReceived: 03/14/08
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
8081A-ORGANOCHLORINE PESTICIDES							
alpha-Chlordane	ND	ug/L		0.050		SW8081A	03/24/08 18:05 / ldw
beta-BHC	ND	ug/L		0.050		SW8081A	03/24/08 18:05 / ldw
Chlordane	ND	ug/L		0.50		SW8081A	03/24/08 18:05 / ldw
delta-BHC	ND	ug/L		0.050		SW8081A	03/24/08 18:05 / ldw
Dieldrin	ND	ug/L		0.050		SW8081A	03/24/08 18:05 / ldw
Endosulfan I	ND	ug/L		0.050		SW8081A	03/24/08 18:05 / ldw
Endosulfan II	ND	ug/L		0.050		SW8081A	03/24/08 18:05 / ldw
Endosulfan sulfate	ND	ug/L		0.050		SW8081A	03/24/08 18:05 / ldw
Endrin	ND	ug/L		0.050		SW8081A	03/24/08 18:05 / ldw
Endrin aldehyde	ND	ug/L		0.050		SW8081A	03/24/08 18:05 / ldw
Endrin ketone	ND	ug/L		0.050		SW8081A	03/24/08 18:05 / ldw
gamma-BHC (Lindane)	ND	ug/L		0.050		SW8081A	03/24/08 18:05 / ldw
gamma-Chlordane	ND	ug/L		0.050		SW8081A	03/24/08 18:05 / ldw
Heptachlor	ND	ug/L		0.050		SW8081A	03/24/08 18:05 / ldw
Heptachlor epoxide	ND	ug/L		0.050		SW8081A	03/24/08 18:05 / ldw
Isodrin	ND	ug/L		0.050		SW8081A	03/24/08 18:05 / ldw
Kepone	ND	ug/L		0.10		SW8081A	03/24/08 18:05 / ldw
Methoxychlor	ND	ug/L		0.050		SW8081A	03/24/08 17:37 / ldw
Toxaphene	ND	ug/L		5.0		SW8081A	03/24/08 18:05 / ldw
Surr: Decachlorobiphenyl	34.0	%REC	S	44-119		SW8081A	03/24/08 18:05 / ldw
Surr: Tetrachloro-m-xylene	56.0	%REC		40-120		SW8081A	03/24/08 18:05 / ldw
HERBICIDES, CHLORINATED							
2,4-D	ND	ug/L		1.0		SW8151A	03/31/08 17:56 / jkh
Dinoseb	ND	ug/L		1.0		SW8151A	03/31/08 17:56 / jkh
2,4,5-T	ND	ug/L		0.20		SW8151A	03/31/08 17:56 / jkh
2,4,5-TP (Silvex)	ND	ug/L		0.20		SW8151A	03/31/08 17:56 / jkh
Surr: DCAA	107	%REC		57-125		SW8151A	03/31/08 17:56 / jkh
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	ug/L		0.50		SW8082	03/24/08 18:05 / ldw
Aroclor 1221	ND	ug/L		0.50		SW8082	03/24/08 18:05 / ldw
Aroclor 1232	ND	ug/L		0.50		SW8082	03/24/08 18:05 / ldw
Aroclor 1242	ND	ug/L		0.50		SW8082	03/24/08 18:05 / ldw
Aroclor 1248	ND	ug/L		0.50		SW8082	03/24/08 18:05 / ldw
Aroclor 1254	ND	ug/L		0.50		SW8082	03/24/08 18:05 / ldw
Aroclor 1260	ND	ug/L		0.50		SW8082	03/24/08 18:05 / ldw
Aroclor 1262	ND	ug/L		0.50		SW8082	03/24/08 18:05 / ldw
Aroclor 1268	ND	ug/L		0.50		SW8082	03/24/08 18:05 / ldw
Surr: Decachlorobiphenyl	34.0	%REC	S	44-119		SW8082	03/24/08 18:05 / ldw
Surr: Tetrachloro-m-xylene	56.0	%REC		40-120		SW8082	03/24/08 18:05 / ldw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
S - Spike recovery outside of advisory limits.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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800-735-4489 • 406-6[illegible]6325 • 406-252-6069 fax • eli@energylab.com

LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08031019-006
Client Sample ID: Trip Blank Lot #022808, B-LC SHP0233

Report Date: 04/07/08
Collection Date: 03/12/08 11:45
DateReceived: 03/14/08
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	03/18/08 14:36 / mld
Acetonitrile	ND	ug/L		20		SW8260B	03/18/08 14:36 / mld
Acrolein	ND	ug/L		20		SW8260B	03/18/08 14:36 / mld
Acrylonitrile	ND	ug/L		20		SW8260B	03/18/08 14:36 / mld
Allyl chloride	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
Benzene	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
Bromochloromethane	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
Bromodichloromethane	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
Bromoform	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
Bromomethane	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
Carbon disulfide	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
Chlorobenzene	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
Chloroethane	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
Chloroform	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
Chloromethane	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
Chloroprene	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
Dibromomethane	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
Ethylbenzene	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
2-Hexanone	ND	ug/L		20		SW8260B	03/18/08 14:36 / mld
Iodomethane	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill
Lab ID: B08031019-006
Client Sample ID: Trip Blank Lot #022808, B-LC SHP0233

Report Date: 04/07/08
Collection Date: 03/12/08 11:45
DateReceived: 03/14/08
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Isobutanol	ND	ug/L		50		SW8260B	03/18/08 14:36 / mld
Methacrylonitrile	ND	ug/L		20		SW8260B	03/18/08 14:36 / mld
Methyl ethyl ketone	ND	ug/L		20		SW8260B	03/18/08 14:36 / mld
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	03/18/08 14:36 / mld
Methyl methacrylate	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
Methylene chloride	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
Naphthalene	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
Pentachloroethane	ND	ug/L		2.0		SW8260B	03/18/08 14:36 / mld
Propionitrile	ND	ug/L		20		SW8260B	03/18/08 14:36 / mld
Styrene	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
Tetrachloroethene	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
Toluene	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
Trichloroethene	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
Vinyl acetate	ND	ug/L	C	1.0		SW8260B	03/18/08 14:36 / mld
Vinyl chloride	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
m+p-Xylenes	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
o-Xylene	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
Xylenes, Total	ND	ug/L		1.0		SW8260B	03/18/08 14:36 / mld
Surr: 1,2-Dichloroethane-d4	84.0	%REC		70-130		SW8260B	03/18/08 14:36 / mld
Surr: Dibromofluoromethane	96.0	%REC		77-126		SW8260B	03/18/08 14:36 / mld
Surr: p-Bromofluorobenzene	98.0	%REC		76-127		SW8260B	03/18/08 14:36 / mld
Surr: Toluene-d8	108	%REC		79-122		SW8260B	03/18/08 14:36 / mld

- C=The continuing calibration verification did not contain vinyl acetate.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
C - The continuing calibration verification exceeded the QC advisory limits.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 03/19/08
Work Order: B08031019

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Analytical Run: SV5972.I_080318A
Sample ID: ccv031808	Continuing Calibration Verification Standard								03/18/08 12:10
Acetone	49.2	ug/L	20	98	70	130			
Acetonitrile	51.2	ug/L	20	102	70	130			
Acrolein	57.6	ug/L	20	115	70	130			
Acrylonitrile	55.2	ug/L	20	110	70	130			
Benzene	5.08	ug/L	1.0	102	70	130			
Bromochloromethane	5.04	ug/L	1.0	101	70	130			
Bromodichloromethane	5.04	ug/L	1.0	101	70	130			
Bromoform	4.96	ug/L	1.0	99	70	130			
Bromomethane	5.92	ug/L	1.0	118	70	130			
Carbon disulfide	5.24	ug/L	1.0	105	70	130			
Carbon tetrachloride	4.96	ug/L	1.0	99	70	130			
Chlorobenzene	5.16	ug/L	1.0	103	70	130			
Chlorodibromomethane	5.24	ug/L	1.0	105	70	130			
Chloroethane	5.24	ug/L	1.0	105	70	130			
Chloroform	4.96	ug/L	1.0	99	80	120			
Chloromethane	6.40	ug/L	1.0	128	70	130			
1,2-Dibromo-3-chloropropane	4.56	ug/L	1.0	91	70	130			
1,2-Dibromoethane	5.16	ug/L	1.0	103	70	130			
Dibromomethane	5.24	ug/L	1.0	105	70	130			
1,2-Dichlorobenzene	5.00	ug/L	1.0	100	70	130			
1,3-Dichlorobenzene	5.08	ug/L	1.0	102	70	130			
1,4-Dichlorobenzene	4.88	ug/L	1.0	98	70	130			
trans-1,4-Dichloro-2-butene	4.68	ug/L	1.0	94	70	130			
Dichlorodifluoromethane	5.20	ug/L	1.0	104	70	130			
1,1-Dichloroethane	4.92	ug/L	1.0	98	70	130			
1,2-Dichloroethane	4.88	ug/L	1.0	98	70	130			
1,1-Dichloroethene	5.00	ug/L	1.0	100	80	120			
cis-1,2-Dichloroethene	4.88	ug/L	1.0	98	70	130			
trans-1,2-Dichloroethene	4.96	ug/L	1.0	99	70	130			
1,2-Dichloropropane	5.12	ug/L	1.0	102	80	120			
1,3-Dichloropropane	5.08	ug/L	1.0	102	70	130			
2,2-Dichloropropane	4.88	ug/L	1.0	98	70	130			
1,1-Dichloropropene	4.96	ug/L	1.0	99	70	130			
cis-1,3-Dichloropropene	5.08	ug/L	1.0	102	70	130			
trans-1,3-Dichloropropene	5.08	ug/L	1.0	102	70	130			
Ethylbenzene	5.32	ug/L	1.0	106	80	120			
Ethyl methacrylate	5.24	ug/L	1.0	105	70	130			
Hexachlorobutadiene	5.48	ug/L	1.0	110	70	130			
2-Hexanone	51.2	ug/L	20	102	70	130			
Iodomethane	5.08	ug/L	1.0	102	70	130			

Qualifiers:

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 03/19/08
Work Order: B08031019

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Analytical Run: SV5972.I_080318A
Sample ID: ccv031808	Continuing Calibration Verification Standard								03/18/08 12:10
Methacrylonitrile	50.0	ug/L	20	100	70	130			
Methyl ethyl ketone	50.0	ug/L	20	100	70	130			
Methyl isobutyl ketone	52.4	ug/L	20	105	70	130			
Methyl methacrylate	4.96	ug/L	1.0	99	70	130			
Methylene chloride	4.84	ug/L	1.0	97	70	130			
Naphthalene	4.24	ug/L	1.0	85	70	130			
Propionitrile	47.6	ug/L	20	95	70	130			
Styrene	5.04	ug/L	1.0	101	70	130			
1,1,1,2-Tetrachloroethane	5.12	ug/L	1.0	102	70	130			
1,1,2,2-Tetrachloroethane	4.96	ug/L	1.0	99	70	130			
Tetrachloroethene	5.52	ug/L	1.0	110	70	130			
Toluene	5.08	ug/L	1.0	102	80	120			
1,2,4-Trichlorobenzene	4.60	ug/L	1.0	92	70	130			
1,1,1-Trichloroethane	5.12	ug/L	1.0	102	70	130			
1,1,2-Trichloroethane	5.00	ug/L	1.0	100	70	130			
Trichloroethene	5.16	ug/L	1.0	103	70	130			
Trichlorofluoromethane	5.28	ug/L	1.0	106	70	130			
1,2,3-Trichloropropane	4.72	ug/L	1.0	94	70	130			
Vinyl chloride	5.24	ug/L	1.0	105	80	120			
m+p-Xylenes	10.6	ug/L	1.0	106	70	130			
o-Xylene	5.12	ug/L	1.0	102	70	130			
Xylenes, Total	15.7	ug/L	1.0		0	0			
Surr: 1,2-Dichloroethane-d4			1.0	88	60	136			
Surr: Dibromofluoromethane			1.0	96	70	132			
Surr: p-Bromofluorobenzene			1.0	96	78	160			
Surr: Toluene-d8			1.0	109	75	138			
Sample ID: ccva031808	Continuing Calibration Verification Standard								03/18/08 12:39
Allyl chloride	4.80	ug/L	1.0	96	70	130			
Chloroprene	5.44	ug/L	1.0	109	70	130			
Isobutanol	110	ug/L	50	88	70	130			
Pentachloroethane	6.08	ug/L	1.0	122	70	130			
Surr: 1,2-Dichloroethane-d4			1.0	88	60	136			
Surr: Dibromofluoromethane			1.0	98	70	132			
Surr: p-Bromofluorobenzene			1.0	100	78	160			
Surr: Toluene-d8			1.0	107	75	138			
Method: SW8260B									Batch: R107841
Sample ID: lcs031808	Laboratory Control Sample				Run: SV5972.I_080318A				03/18/08 13:36
Allyl chloride	4.92	ug/L	1.0	98	68	126			

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 03/19/08
Work Order: B08031019

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R107841
Sample ID: lcs031808	Laboratory Control Sample				Run: SV5972.I_080318A				03/18/08 13:36
Chloroprene	4.92	ug/L	1.0	98	68	120			
Isobutanol	116	ug/L	50	93	71	137			
Pentachloroethane	5.16	ug/L	1.0	103	42	135			
Surr: 1,2-Dichloroethane-d4			1.0	89	70	130			
Surr: Dibromofluoromethane			1.0	97	77	126			
Surr: p-Bromofluorobenzene			1.0	96	76	127			
Surr: Toluene-d8			1.0	108	79	122			
Sample ID: blk031808	Method Blank				Run: SV5972.I_080318A				03/18/08 14:04
Acetone	ND	ug/L	20						
Acetonitrile	ND	ug/L	20						
Acrolein	ND	ug/L	20						
Acrylonitrile	ND	ug/L	20						
Allyl chloride	ND	ug/L	1.0						
Benzene	ND	ug/L	1.0						
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
Carbon disulfide	ND	ug/L	1.0						
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
Chloroprene	ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
1,2-Dibromoethane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						
1,2-Dichlorobenzene	ND	ug/L	1.0						
1,3-Dichlorobenzene	ND	ug/L	1.0						
1,4-Dichlorobenzene	ND	ug/L	1.0						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0						
Dichlorodifluoromethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						
1,2-Dichloroethane	ND	ug/L	1.0						
1,1-Dichloroethene	ND	ug/L	1.0						
cis-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						
1,2-Dichloropropane	ND	ug/L	1.0						

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Project: Old Landfill

Report Date: 03/19/08
Work Order: B08031019

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R107841
Sample ID: blk031808	Method Blank				Run: SV5972.I_080318A				03/18/08 14:04
1,3-Dichloropropane	ND	ug/L	1.0						
2,2-Dichloropropane	ND	ug/L	1.0						
1,1-Dichloropropene	ND	ug/L	1.0						
cis-1,3-Dichloropropene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						
Ethylbenzene	ND	ug/L	1.0						
Ethyl methacrylate	ND	ug/L	1.0						
Hexachlorobutadiene	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						
Iodomethane	ND	ug/L	1.0						
Isobutanol	ND	ug/L	50						
Methacrylonitrile	ND	ug/L	20						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methyl methacrylate	ND	ug/L	1.0						
Methylene chloride	ND	ug/L	1.0						
Naphthalene	ND	ug/L	1.0						
Pentachloroethane	ND	ug/L	1.0						
Propionitrile	ND	ug/L	20						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,2,4-Trichlorobenzene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Xylenes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	88	70	130			
Surr: Dibromofluoromethane			1.0	97	77	126			
Surr: p-Bromofluorobenzene			1.0	100	76	127			
Surr: Toluene-d8			1.0	106	79	122			

Qualifiers:

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 03/19/08
Work Order: B08031019

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R107841
Sample ID: lcs031808	Laboratory Control Sample				Run: SV5972.I_080318A				03/18/08 13:07
Acetone	38.6	ug/L	20	77	62	130			
Acetonitrile	35.0	ug/L	20	70	54	142			
Acrolein	50.0	ug/L	20	100	22	203			
Acrylonitrile	53.6	ug/L	20	107	60	130			
Benzene	3.90	ug/L	1.0	78	71	133			
Bromochloromethane	3.90	ug/L	1.0	78	68	131			
Bromodichloromethane	3.83	ug/L	1.0	77	67	138			
Bromoform	3.80	ug/L	1.0	76	64	136			
Bromomethane	4.76	ug/L	1.0	95	60	138			
Carbon disulfide	3.66	ug/L	1.0	73	46	145			
Carbon tetrachloride	3.85	ug/L	1.0	77	61	144			
Chlorobenzene	4.00	ug/L	1.0	80	78	136			
Chlorodibromomethane	3.93	ug/L	1.0	79	72	136			
Chloroethane	4.24	ug/L	1.0	85	64	136			
Chloroform	3.89	ug/L	1.0	78	69	133			
Chloromethane	4.68	ug/L	1.0	94	63	149			
1,2-Dibromo-3-chloropropane	3.28	ug/L	1.0	66	63	125			
1,2-Dibromoethane	4.12	ug/L	1.0	82	75	131			
Dibromomethane	4.12	ug/L	1.0	82	72	133			
1,2-Dichlorobenzene	3.90	ug/L	1.0	78	78	129			
1,3-Dichlorobenzene	3.91	ug/L	1.0	78	79	132			S
1,4-Dichlorobenzene	3.87	ug/L	1.0	77	78	131			S
trans-1,4-Dichloro-2-butene	3.17	ug/L	1.0	63	50	142			
Dichlorodifluoromethane	4.80	ug/L	1.0	96	55	141			
1,1-Dichloroethane	3.94	ug/L	1.0	79	72	130			
1,2-Dichloroethane	3.84	ug/L	1.0	77	57	146			
1,1-Dichloroethene	3.86	ug/L	1.0	77	66	142			
cis-1,2-Dichloroethene	3.75	ug/L	1.0	75	74	133			
trans-1,2-Dichloroethene	3.98	ug/L	1.0	80	76	138			
1,2-Dichloropropane	3.86	ug/L	1.0	77	72	135			
1,3-Dichloropropane	3.82	ug/L	1.0	76	75	134			
2,2-Dichloropropane	3.53	ug/L	1.0	71	42	167			
1,1-Dichloropropene	3.97	ug/L	1.0	79	72	140			
cis-1,3-Dichloropropene	3.88	ug/L	1.0	78	75	132			
trans-1,3-Dichloropropene	4.20	ug/L	1.0	84	77	145			
Ethylbenzene	4.04	ug/L	1.0	81	78	131			
Ethyl methacrylate	3.71	ug/L	1.0	74	54	133			
Hexachlorobutadiene	4.12	ug/L	1.0	82	65	141			
2-Hexanone	45.6	ug/L	20	91	72	131			
Iodomethane	3.93	ug/L	1.0	79	66	132			

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 03/19/08
Work Order: B08031019

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R107841
Sample ID: lcs031808	Laboratory Control Sample				Run: SV5972.I_080318A				03/18/08 13:07
Methacrylonitrile	37.2	ug/L	20	74	68	122			
Methyl ethyl ketone	44.4	ug/L	20	89	55	145			
Methyl isobutyl ketone	45.2	ug/L	20	90	73	129			
Methyl methacrylate	3.77	ug/L	1.0	75	77	113			S
Methylene chloride	3.79	ug/L	1.0	76	73	126			
Naphthalene	3.22	ug/L	1.0	64	55	139			
Propionitrile	33.5	ug/L	20	67	52	143			
Styrene	3.91	ug/L	1.0	78	76	134			
1,1,1,2-Tetrachloroethane	3.85	ug/L	1.0	77	75	135			
1,1,2,2-Tetrachloroethane	3.87	ug/L	1.0	77	72	132			
Tetrachloroethene	4.04	ug/L	1.0	81	78	137			
Toluene	3.97	ug/L	1.0	79	78	134			
1,2,4-Trichlorobenzene	3.49	ug/L	1.0	70	58	142			
1,1,1-Trichloroethane	3.97	ug/L	1.0	79	64	141			
1,1,2-Trichloroethane	3.79	ug/L	1.0	76	72	133			
Trichloroethene	3.93	ug/L	1.0	79	75	138			
Trichlorofluoromethane	4.32	ug/L	1.0	86	58	139			
1,2,3-Trichloropropane	3.26	ug/L	1.0	65	67	133			S
Vinyl acetate	3.64	ug/L	1.0	73	31	124			
Vinyl chloride	5.04	ug/L	1.0	101	66	140			
m+p-Xylenes	8.04	ug/L	1.0	80	78	133			
o-Xylene	4.08	ug/L	1.0	82	79	136			
Surr: 1,2-Dichloroethane-d4			1.0	89	70	130			
Surr: Dibromofluoromethane			1.0	97	77	126			
Surr: p-Bromofluorobenzene			1.0	96	76	127			
Surr: Toluene-d8			1.0	106	79	122			
Sample ID: B08031019-001Dms	Sample Matrix Spike				Run: SV5972.I_080318A				03/18/08 20:18
Acetone	58.7	ug/L	40	59	62	130			S
Acetonitrile	78.2	ug/L	40	78	54	142			
Acrolein	82.4	ug/L	40	82	22	203			
Acrylonitrile	96.8	ug/L	40	97	60	130			
Allyl chloride	2.17	ug/L	2.0	22	68	126			S
Benzene	10.4	ug/L	2.0	104	71	133			
Bromochloromethane	10.4	ug/L	2.0	104	68	131			
Bromodichloromethane	9.92	ug/L	2.0	99	67	138			
Bromoform	10.6	ug/L	2.0	106	64	136			
Bromomethane	9.92	ug/L	2.0	99	60	138			
Carbon disulfide	9.44	ug/L	2.0	94	46	145			
Carbon tetrachloride	10.5	ug/L	2.0	105	61	144			
Chlorobenzene	10.5	ug/L	2.0	105	78	136			

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 03/19/08
Work Order: B08031019

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R107841
Sample ID: B08031019-001Dms	Sample Matrix Spike				Run: SV5972.I_080318A				03/18/08 20:18
Chlorodibromomethane	10.5	ug/L	2.0	105	72	136			
Chloroethane	8.80	ug/L	2.0	88	64	136			
Chloroform	10.2	ug/L	2.0	102	69	133			
Chloromethane	9.76	ug/L	2.0	98	63	149			
Chloroprene	12.6	ug/L	2.0	126	68	120			S
1,2-Dibromo-3-chloropropane	8.64	ug/L	2.0	86	63	125			
1,2-Dibromoethane	10.3	ug/L	2.0	103	75	131			
Dibromomethane	10.9	ug/L	2.0	109	72	133			
1,2-Dichlorobenzene	10.3	ug/L	2.0	103	78	129			
1,3-Dichlorobenzene	10.3	ug/L	2.0	103	79	132			
1,4-Dichlorobenzene	10.2	ug/L	2.0	102	78	131			
trans-1,4-Dichloro-2-butene	8.16	ug/L	2.0	82	50	142			
Dichlorodifluoromethane	9.76	ug/L	2.0	98	55	141			
1,1-Dichloroethane	10.2	ug/L	2.0	102	72	130			
1,2-Dichloroethane	10.4	ug/L	2.0	104	57	146			
1,1-Dichloroethene	10.2	ug/L	2.0	102	66	142			
cis-1,2-Dichloroethene	10.4	ug/L	2.0	104	74	133			
trans-1,2-Dichloroethene	10.6	ug/L	2.0	106	76	138			
1,2-Dichloropropane	10.2	ug/L	2.0	102	72	135			
1,3-Dichloropropane	9.84	ug/L	2.0	98	75	134			
2,2-Dichloropropane	9.04	ug/L	2.0	90	42	167			
1,1-Dichloropropene	10.6	ug/L	2.0	106	72	140			
cis-1,3-Dichloropropene	10.2	ug/L	2.0	102	75	132			
trans-1,3-Dichloropropene	10.8	ug/L	2.0	108	77	145			
Ethylbenzene	10.2	ug/L	2.0	102	78	131			
Ethyl methacrylate	9.68	ug/L	2.0	97	54	133			
Hexachlorobutadiene	10.3	ug/L	2.0	103	65	141			
2-Hexanone	67.7	ug/L	40	68	72	131			S
Iodomethane	10.6	ug/L	2.0	106	66	132			
Isobutanol	31.9	ug/L	100	13	71	137			S
Methacrylonitrile	93.6	ug/L	40	94	68	122			
Methyl ethyl ketone	64.5	ug/L	40	64	55	145			
Methyl isobutyl ketone	67.6	ug/L	40	68	73	129			S
Methyl methacrylate	9.92	ug/L	2.0	99	77	113			
Methylene chloride	9.92	ug/L	2.0	99	73	126			
Naphthalene	8.96	ug/L	2.0	90	55	139			
Pentachloroethane	14.3	ug/L	2.0	143	42	135			S
Propionitrile	83.2	ug/L	40	83	52	143			
Styrene	10.1	ug/L	2.0	101	76	134			
1,1,1,2-Tetrachloroethane	10.3	ug/L	2.0	103	75	135			

Qualifiers:

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ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 03/19/08
Work Order: B08031019

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R107841
Sample ID: B08031019-001Dms	Sample Matrix Spike				Run: SV5972.I_080318A			03/18/08 20:18	
1,1,2,2-Tetrachloroethane	10.2	ug/L	2.0	102	72	132			
Tetrachloroethene	11.4	ug/L	2.0	114	78	137			
Toluene	10.2	ug/L	2.0	102	78	134			
1,2,4-Trichlorobenzene	9.36	ug/L	2.0	94	58	142			
1,1,1-Trichloroethane	10.7	ug/L	2.0	107	64	141			
1,1,2-Trichloroethane	10.2	ug/L	2.0	102	72	133			
Trichloroethene	10.4	ug/L	2.0	104	75	138			
Trichlorofluoromethane	8.80	ug/L	2.0	88	58	139			
1,2,3-Trichloropropane	8.72	ug/L	2.0	87	67	133			
Vinyl acetate	9.52	ug/L	2.0	95	31	124			
Vinyl chloride	10.1	ug/L	2.0	101	66	140			
m+p-Xylenes	20.6	ug/L	2.0	103	78	133			
o-Xylene	10.4	ug/L	2.0	104	79	136			
Surr: 1,2-Dichloroethane-d4			2.0	90	70	130			
Surr: Dibromofluoromethane			2.0	99	77	126			
Surr: p-Bromofluorobenzene			2.0	96	76	127			
Surr: Toluene-d8			2.0	104	79	122			
Sample ID: B08031019-001Dmsd	Sample Matrix Spike Duplicate				Run: SV5972.I_080318A			03/18/08 20:46	
Acetone	66.6	ug/L	40	67	62	130	13	20	
Acetonitrile	88.0	ug/L	40	88	54	142	12	20	
Acrolein	96.0	ug/L	40	96	22	203	15	20	
Acrylonitrile	100	ug/L	40	100	60	130	3.3	20	
Allyl chloride	2.31	ug/L	2.0	23	68	126	6.4	20	S
Benzene	10.1	ug/L	2.0	101	71	133	3.1	20	
Bromochloromethane	10.2	ug/L	2.0	102	68	131	2.3	20	
Bromodichloromethane	10.0	ug/L	2.0	100	67	138	0.8	20	
Bromoform	10.3	ug/L	2.0	103	64	136	2.3	20	
Bromomethane	10.6	ug/L	2.0	106	60	138	7.0	20	
Carbon disulfide	9.12	ug/L	2.0	91	46	145	3.4	20	
Carbon tetrachloride	10.2	ug/L	2.0	102	61	144	2.3	20	
Chlorobenzene	10.5	ug/L	2.0	105	78	136	0.0	20	
Chlorodibromomethane	10.3	ug/L	2.0	103	72	136	1.5	20	
Chloroethane	9.20	ug/L	2.0	92	64	136	4.4	20	
Chloroform	9.84	ug/L	2.0	98	69	133	3.2	20	
Chloromethane	10.1	ug/L	2.0	101	63	149	3.2	20	
Chloroprene	12.2	ug/L	2.0	122	68	120	3.2	20	S
1,2-Dibromo-3-chloropropane	10.0	ug/L	2.0	100	63	125	15	20	
1,2-Dibromoethane	10.6	ug/L	2.0	106	75	131	3.1	20	
Dibromomethane	10.6	ug/L	2.0	106	72	133	2.2	20	
1,2-Dichlorobenzene	10.3	ug/L	2.0	103	78	129	0.0	20	

Qualifiers:

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 03/19/08
Work Order: B08031019

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B								Batch: R107841	
Sample ID: B08031019-001Dmsd	Sample Matrix Spike Duplicate				Run: SV5972.I_080318A			03/18/08 20:46	
1,3-Dichlorobenzene	10.5	ug/L	2.0	105	79	132	1.5	20	
1,4-Dichlorobenzene	10.3	ug/L	2.0	103	78	131	0.8	20	
trans-1,4-Dichloro-2-butene	9.12	ug/L	2.0	91	50	142	11	20	
Dichlorodifluoromethane	10.2	ug/L	2.0	102	55	141	4.0	20	
1,1-Dichloroethane	10.0	ug/L	2.0	100	72	130	2.4	20	
1,2-Dichloroethane	10.2	ug/L	2.0	102	57	146	2.3	20	
1,1-Dichloroethene	9.84	ug/L	2.0	98	66	142	3.2	20	
cis-1,2-Dichloroethene	9.76	ug/L	2.0	98	74	133	6.3	20	
trans-1,2-Dichloroethene	10.2	ug/L	2.0	102	76	138	3.1	20	
1,2-Dichloropropane	10.3	ug/L	2.0	103	72	135	1.6	20	
1,3-Dichloropropane	10.1	ug/L	2.0	101	75	134	2.4	20	
2,2-Dichloropropane	8.64	ug/L	2.0	86	42	167	4.5	20	
1,1-Dichloropropene	9.92	ug/L	2.0	99	72	140	6.3	20	
cis-1,3-Dichloropropene	10.2	ug/L	2.0	102	75	132	0.8	20	
trans-1,3-Dichloropropene	10.8	ug/L	2.0	108	77	145	0.0	20	
Ethylbenzene	10.5	ug/L	2.0	105	78	131	2.3	20	
Ethyl methacrylate	9.84	ug/L	2.0	98	54	133	1.6	20	
Hexachlorobutadiene	11.0	ug/L	2.0	110	65	141	6.7	20	
2-Hexanone	77.3	ug/L	40	77	72	131	13	20	
Iodomethane	10.3	ug/L	2.0	103	66	132	2.3	20	
Isobutanol	29.4	ug/L	100	12	71	137	0.0	20	S
Methacrylonitrile	93.6	ug/L	40	94	68	122	0.0	20	
Methyl ethyl ketone	70.9	ug/L	40	71	55	145	9.5	20	
Methyl isobutyl ketone	75.8	ug/L	40	76	73	129	11	20	
Methyl methacrylate	9.28	ug/L	2.0	93	77	113	6.7	20	
Methylene chloride	9.52	ug/L	2.0	95	73	126	4.1	20	
Naphthalene	10.6	ug/L	2.0	106	55	139	17	20	
Pentachloroethane	14.0	ug/L	2.0	140	42	135	2.3	20	S
Propionitrile	85.6	ug/L	40	86	52	143	2.8	20	
Styrene	9.76	ug/L	2.0	98	76	134	3.2	20	
1,1,1,2-Tetrachloroethane	10.4	ug/L	2.0	104	75	135	0.8	20	
1,1,2,2-Tetrachloroethane	10.5	ug/L	2.0	105	72	132	3.1	20	
Tetrachloroethene	11.5	ug/L	2.0	115	78	137	1.4	20	
Toluene	10.2	ug/L	2.0	102	78	134	0.8	20	
1,2,4-Trichlorobenzene	11.2	ug/L	2.0	112	58	142	18	20	
1,1,1-Trichloroethane	10.2	ug/L	2.0	102	64	141	5.4	20	
1,1,2-Trichloroethane	10.5	ug/L	2.0	105	72	133	2.3	20	
Trichloroethene	10.3	ug/L	2.0	103	75	138	0.8	20	
Trichlorofluoromethane	9.36	ug/L	2.0	94	58	139	6.2	20	
1,2,3-Trichloropropane	8.64	ug/L	2.0	86	67	133	0.9	20	

Qualifiers:

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 03/19/08
Work Order: B08031019

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R107841
Sample ID: B08031019-001Dmsd	Sample Matrix Spike Duplicate				Run: SV5972.I_080318A			03/18/08 20:46	
Vinyl acetate	9.04	ug/L	2.0	90	31	124	5.2	20	
Vinyl chloride	10.6	ug/L	2.0	106	66	140	5.4	20	
m+p-Xylenes	20.8	ug/L	2.0	104	78	133	1.2	20	
o-Xylene	10.4	ug/L	2.0	104	79	136	0.0	20	
Surr: 1,2-Dichloroethane-d4			2.0	88	70	130			
Surr: Dibromofluoromethane			2.0	95	77	126			
Surr: p-Bromofluorobenzene			2.0	94	76	127			
Surr: Toluene-d8			2.0	107	79	122			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 03/20/08
Work Order: B08031019

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 31440
Sample ID: LCS-31440	Laboratory Control Sample				Run: SV5973N.I_080317A				03/18/08 07:12
1,2,4-Trichlorobenzene	43.1	ug/L	10	43	31	87			
1,2-Dichlorobenzene	40.1	ug/L	10	40	33	76			
1,3-Dichlorobenzene	37.6	ug/L	10	38	31	74			
1,4-Dichlorobenzene	39.7	ug/L	10	40	30	74			
1-Methylnaphthalene	48.8	ug/L	10	49	36	95			
2,4,5-Trichlorophenol	44.3	ug/L	10	44	27	100			
2,4,6-Trichlorophenol	42.0	ug/L	10	42	21	130			
2,4-Dichlorophenol	39.4	ug/L	10	39	35	86			
2,4-Dimethylphenol	40.0	ug/L	10	40	33	92			
2,4-Dinitrophenol	13.8	ug/L	50	14	10	112			
2,4-Dinitrotoluene	54.6	ug/L	10	55	44	110			
2,6-Dinitrotoluene	51.6	ug/L	10	52	40	113			
2-Chloronaphthalene	50.6	ug/L	10	51	38	100			
2-Chlorophenol	36.9	ug/L	10	37	30	77			
2-Methylnaphthalene	45.4	ug/L	10	45	36	89			
2-Nitroaniline	51.7	ug/L	10	52	38	98			
2-Nitrophenol	44.2	ug/L	10	44	31	94			
3,3´-Dichlorobenzidine	35.7	ug/L	20	36	29	110			
3-Nitroaniline	42.7	ug/L	10	43	33	86			
4,6-Dinitro-2-methylphenol	28.8	ug/L	50	29	10	118			
4-Bromophenyl phenyl ether	47.9	ug/L	10	48	36	109			
4-Chloro-2-methylphenol	39.5	ug/L	10	40	36	89			
4-Chloro-3-methylphenol	47.2	ug/L	10	47	36	95			
4-Chlorophenol	35.7	ug/L	10	36	25	91			
4-Chlorophenyl phenyl ether	51.3	ug/L	10	51	38	107			
4-Nitroaniline	38.2	ug/L	10	38	34	102			
4-Nitrophenol	13.8	ug/L	50	14	10	49			
Acenaphthene	48.3	ug/L	10	48	43	97			
Acenaphthylene	47.3	ug/L	10	47	45	94			
Aniline	10.7	ug/L	10	11	10	38			
Anthracene	55.3	ug/L	10	55	50	106			
Azobenzene	51.9	ug/L	10	52	41	103			
Benzidine	43.1	ug/L	20	43	10	142			
Benzo(a)anthracene	46.4	ug/L	10	46	39	121			
Benzo(a)pyrene	64.0	ug/L	10	64	42	109			
Benzo(b)fluoranthene	37.3	ug/L	10	37	32	124			
Benzo(g,h,i)perylene	53.4	ug/L	10	53	42	117			
Benzo(k)fluoranthene	62.2	ug/L	10	62	46	104			
Benzyl alcohol	31.5	ug/L	10	32	27	64			
bis(-2-chloroethoxy)Methane	45.7	ug/L	10	46	33	93			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 03/20/08
Work Order: B08031019

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 31440
Sample ID: LCS-31440	Laboratory Control Sample				Run: SV5973N.I_080317A				03/18/08 07:12
bis(-2-chloroethyl)Ether	43.4	ug/L	10	43	28	91			
bis(2-chloroisopropyl)Ether	40.5	ug/L	10	41	33	87			
bis(2-ethylhexyl)Phthalate	36.8	ug/L	10	37	13	127			
Butylbenzylphthalate	50.4	ug/L	10	50	31	118			
Chrysene	63.4	ug/L	10	63	47	110			
Dibenzo(a,h)anthracene	54.7	ug/L	10	55	44	114			
Dibenzofuran	51.0	ug/L	10	51	44	90			
Diethyl phthalate	50.5	ug/L	10	51	38	109			
Dimethyl phthalate	50.0	ug/L	10	50	36	110			
Di-n-butyl phthalate	49.8	ug/L	10	50	33	117			
Di-n-octyl phthalate	38.2	ug/L	10	38	25	123			
Fluoranthene	48.1	ug/L	10	48	45	117			
Fluorene	50.5	ug/L	10	51	42	104			
Hexachlorobenzene	45.0	ug/L	10	45	36	109			
Hexachlorobutadiene	38.8	ug/L	10	39	27	83			
Hexachlorocyclopentadiene	39.4	ug/L	20	39	30	85			
Hexachloroethane	34.5	ug/L	10	35	28	72			
Indeno(1,2,3-cd)pyrene	44.0	ug/L	10	44	35	123			
Isophorone	47.8	ug/L	10	48	36	99			
m+p-Cresols	36.0	ug/L	10	36	24	83			
Naphthalene	44.3	ug/L	10	44	37	88			
Nitrobenzene	47.9	ug/L	10	48	35	86			
n-Nitrosodimethylamine	23.6	ug/L	10	24	19	43			
n-Nitroso-di-n-propylamine	44.0	ug/L	10	44	34	102			
n-Nitrosodiphenylamine	47.4	ug/L	10	47	33	106			
o-Cresol	37.4	ug/L	10	37	22	88			
p-Chloroaniline	40.5	ug/L	10	41	20	80			
Pentachlorophenol	46.5	ug/L	50	47	24	117			
Phenanthrene	47.9	ug/L	10	48	38	113			
Phenol	24.7	ug/L	10	25	18	48			
Pyrene	50.1	ug/L	10	50	39	115			
Pyridine	16.7	ug/L	10	17	10	47			
Surr: 2,4,6-Tribromophenol			10	42	21	130			
Surr: 2-Fluorobiphenyl			10	41	28	107			
Surr: 2-Fluorophenol			10	23	20	56			
Surr: Nitrobenzene-d5			10	42	32	94			
Surr: Phenol-d5			10	23	19	45			
Surr: Terphenyl-d14			10	53	32	122			
Sample ID: B08031016-001BMS	Sample Matrix Spike				Run: SV5973N.I_080317A				03/18/08 08:14
1,2,4-Trichlorobenzene	49.4	ug/L	20	49	31	87			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 03/20/08
Work Order: B08031019

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 31440
Sample ID: B08031016-001BMS	Sample Matrix Spike				Run: SV5973N.I_080317A				03/18/08 08:14
1,4-Dichlorobenzene	44.2	ug/L	20	44	30	74			
2,4-Dinitrotoluene	58.2	ug/L	20	58	44	110			
2-Chlorophenol	68.6	ug/L	20	46	30	77			
4-Chloro-3-methylphenol	74.0	ug/L	20	49	36	95			
4-Nitrophenol	75.2	ug/L	100	50	10	49			S
n-Nitroso-di-n-propylamine	60.8	ug/L	20	61	34	102			
Pentachlorophenol	114	ug/L	100	76	24	117			
Phenol	57.4	ug/L	20	38	18	48			
Pyrene	73.2	ug/L	20	66	39	115			
Surr: 2,4,6-Tribromophenol			20	51	21	130			
Surr: 2-Fluorobiphenyl			20	48	28	107			
Surr: 2-Fluorophenol			20	29	20	56			
Surr: Nitrobenzene-d5			20	49	32	94			
Surr: Phenol-d5			20	33	19	45			
Surr: Terphenyl-d14			20	51	32	122			
Sample ID: B08031016-002BMS	Sample Matrix Spike				Run: SV5973N.I_080317A				03/18/08 09:16
1,2,4-Trichlorobenzene	62.2	ug/L	20	62	31	87			
1,4-Dichlorobenzene	54.6	ug/L	20	55	30	74			
2,4-Dinitrotoluene	55.6	ug/L	20	56	44	110			
2-Chlorophenol	72.2	ug/L	20	48	30	77			
4-Chloro-3-methylphenol	93.8	ug/L	20	63	36	95			
4-Nitrophenol	33.4	ug/L	100	22	10	49			
Acenaphthene	61.2	ug/L	20	61	43	97			
n-Nitroso-di-n-propylamine	69.8	ug/L	20	70	34	102			
Pentachlorophenol	94.2	ug/L	100	63	24	117			
Phenol	56.4	ug/L	20	38	18	48			
Pyrene	69.2	ug/L	20	69	39	115			
Surr: 2,4,6-Tribromophenol			20	48	21	130			
Surr: 2-Fluorobiphenyl			20	50	28	107			
Surr: 2-Fluorophenol			20	29	20	56			
Surr: Nitrobenzene-d5			20	46	32	94			
Surr: Phenol-d5			20	30	19	45			
Surr: Terphenyl-d14			20	50	32	122			
Sample ID: B08031016-001BMS	Sample Duplicate				Run: SV5973N.I_080318A				03/18/08 13:32
Acenaphthene	158	ug/L	50				4.3	40	
Sample ID: MB-31440	Method Blank				Run: SV5973N.I_080319A				03/19/08 22:56
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10						
1,2,4-Trichlorobenzene	ND	ug/L	10						

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 03/20/08
Work Order: B08031019

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 31440
Sample ID: MB-31440	Method Blank				Run: SV5973N.I_080319A				03/19/08 22:56
1,2-Dichlorobenzene	ND	ug/L	10						
1,3,5-Trinitrobenzene	ND	ug/L	10						
1,3-Dichlorobenzene	ND	ug/L	10						
1,3-Dinitrobenzene	ND	ug/L	10						
1,4-Benzenediamine	ND	ug/L							P
1,4-Dichlorobenzene	ND	ug/L	10						
1,4-Naphthoquinone	ND	ug/L	10						
1-Methylnaphthalene	ND	ug/L	10						
1-Naphthylamine	ND	ug/L	10						
2,3,4,6-Tetrachlorophenol	ND	ug/L	10						
2,4,5-Trichlorophenol	ND	ug/L	10						
2,4,6-Trichlorophenol	ND	ug/L	10						
2,4-Dichlorophenol	ND	ug/L	10						
2,4-Dimethylphenol	ND	ug/L	10						
2,4-Dinitrophenol	ND	ug/L	50						
2,4-Dinitrotoluene	ND	ug/L	10						
2,6-Dichlorophenol	ND	ug/L	10						
2,6-Dinitrotoluene	ND	ug/L	10						
2-Acetylaminofluorene	ND	ug/L	10						
2-Chloronaphthalene	ND	ug/L	10						
2-Chlorophenol	ND	ug/L	10						
2-Methylnaphthalene	ND	ug/L	10						
2-Naphthylamine	ND	ug/L	10						
2-Nitroaniline	ND	ug/L	10						
2-Nitrophenol	ND	ug/L	10						
2-Picoline	ND	ug/L	10						
3,3´-Dichlorobenzidine	ND	ug/L	20						
3,3´-Dimethylbenzidine	ND	ug/L	10						
3-Methylcholanthrene	ND	ug/L	10						
3-Nitroaniline	ND	ug/L	10						
4,6-Dinitro-2-methylphenol	ND	ug/L	50						
4-Aminobiphenyl	ND	ug/L	10						
4-Bromophenyl phenyl ether	ND	ug/L	10						
4-Chloro-2-methylphenol	ND	ug/L	10						
4-Chloro-3-methylphenol	ND	ug/L	10						
4-Chlorophenol	ND	ug/L	10						
4-Chlorophenyl phenyl ether	ND	ug/L	10						
4-Nitroaniline	ND	ug/L	10						
4-Nitrophenol	ND	ug/L	50						
4-Nitroquinoline-n-oxide	ND	ug/L	10						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 03/20/08
Work Order: B08031019

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 31440
Sample ID: MB-31440	Method Blank				Run: SV5973N.I_080319A				03/19/08 22:56
5-Nitro-o-toluidine	ND	ug/L	10						
7,12-Dimethylbenz(a)anthracene	ND	ug/L	10						
a,a-Dimethylphenethylamine	ND	ug/L							P
Acenaphthene	ND	ug/L	10						
Acenaphthylene	ND	ug/L	10						
Acetophenone	ND	ug/L	10						
Aniline	ND	ug/L	10						
Anthracene	ND	ug/L	10						
Aramite	ND	ug/L	10						
Azobenzene	ND	ug/L	10						
Benzidine	ND	ug/L	20						
Benzo(a)anthracene	ND	ug/L	10						
Benzo(a)pyrene	ND	ug/L	10						
Benzo(b)fluoranthene	ND	ug/L	10						
Benzo(g,h,i)perylene	ND	ug/L	10						
Benzo(k)fluoranthene	ND	ug/L	10						
Benzyl alcohol	ND	ug/L	10						
bis(-2-chloroethoxy)Methane	ND	ug/L	10						
bis(-2-chloroethyl)Ether	ND	ug/L	10						
bis(2-chloroisopropyl)Ether	ND	ug/L	10						
bis(2-ethylhexyl)Phthalate	ND	ug/L	10						
Butylbenzylphthalate	ND	ug/L	10						
Chlorobenzilate	ND	ug/L	10						
Chrysene	ND	ug/L	10						
Diallate	ND	ug/L	10						
Dibenzo(a,h)anthracene	ND	ug/L	10						
Dibenzofuran	ND	ug/L	10						
Diethyl phthalate	ND	ug/L	10						
Dimethoate	ND	ug/L	10						
Dimethyl phthalate	ND	ug/L	10						
Di-n-butyl phthalate	ND	ug/L	10						
Di-n-octyl phthalate	ND	ug/L	10						
Diphenylamine	ND	ug/L	10						
Disulfoton	ND	ug/L	10						
Ethyl methanesulfonate	ND	ug/L	10						
Famphur	ND	ug/L	10						
Fluoranthene	ND	ug/L	10						
Fluorene	ND	ug/L	10						
Hexachlorobenzene	ND	ug/L	10						
Hexachlorobutadiene	ND	ug/L	10						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 03/20/08
Work Order: B08031019

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 31440
Sample ID: MB-31440	Method Blank				Run: SV5973N.I_080319A				03/19/08 22:56
Hexachlorocyclopentadiene	ND	ug/L	20						
Hexachloroethane	ND	ug/L	10						
Hexachlorophene	ND	ug/L							P
Hexachloropropene	ND	ug/L	10						
Indeno(1,2,3-cd)pyrene	ND	ug/L	10						
Isophorone	ND	ug/L	10						
Isosafrole	ND	ug/L	10						
m+p-Cresols	ND	ug/L	10						
Methapyrilene	ND	ug/L							P
Methyl methanesulfonate	ND	ug/L	10						
Methyl parathion	ND	ug/L	10						
Naphthalene	ND	ug/L	10						
Nitrobenzene	ND	ug/L	10						
n-Nitrosodiethylamine	ND	ug/L	10						
n-Nitrosodimethylamine	ND	ug/L	10						
n-Nitroso-di-n-butylamine	ND	ug/L	10						
n-Nitroso-di-n-propylamine	ND	ug/L	10						
n-Nitrosodiphenylamine	ND	ug/L	10						
n-Nitrosomethylethylamine	ND	ug/L	10						
n-Nitrosomorpholine	ND	ug/L	10						
n-Nitrosopiperidine	ND	ug/L	10						
n-Nitrosopyrrolidine	ND	ug/L	10						
o,o,o-Triethyl phosphorothioate	ND	ug/L	10						
o-Cresol	ND	ug/L	10						
o-Toluidine	ND	ug/L	10						
p-(dimethylamino)Azobenzene	ND	ug/L	10						
Parathion	ND	ug/L	10						
p-Chloroaniline	ND	ug/L	10						
Pentachlorobenzene	ND	ug/L	10						
Pentachloronitrobenzene	ND	ug/L	10						
Pentachlorophenol	ND	ug/L	50						
Phenacetin	ND	ug/L	10						
Phenanthrene	ND	ug/L	10						
Phenol	ND	ug/L	10						
Phorate	ND	ug/L	10						
Pronamide	ND	ug/L	10						
Pyrene	ND	ug/L	10						
Pyridine	ND	ug/L	10						
Safrole	ND	ug/L	10						
Sulfotep	ND	ug/L	10						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 03/20/08
Work Order: B08031019

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 31440
Sample ID: MB-31440	Method Blank				Run: SV5973N.I_080319A				03/19/08 22:56
Thionazin	ND	ug/L	10						
Surr: 2,4,6-Tribromophenol			10	39	21	130			
Surr: 2-Fluorobiphenyl			10	43	28	107			
Surr: 2-Fluorophenol			10	27	20	56			
Surr: Nitrobenzene-d5			10	43	32	94			
Surr: Phenol-d5			10	23	19	45			
Surr: Terphenyl-d14			10	49	32	122			
Sample ID: App2A-31440	Laboratory Control Sample				Run: SV5973N.I_080319A				03/19/08 23:27
1,2,4,5-Tetrachlorobenzene	49.0	ug/L	10	49	15	124			
1,3-Dinitrobenzene	45.5	ug/L	10	46	24	136			
1,4-Naphthoquinone	60.5	ug/L	10	61	59	103			
2,3,4,6-Tetrachlorophenol	47.7	ug/L	10	48	10	123			
2,6-Dichlorophenol	47.2	ug/L	10	47	12	133			
2-Acetylaminofluorene	50.6	ug/L	10	51	39	130			
3-Methylcholanthrene	43.0	ug/L	10	43	10	183			
7,12-Dimethylbenz(a)anthracene	41.7	ug/L	10	42	30	130			
Aramite	52.7	ug/L	10	53	15	152			
Chlorobenzilate	56.1	ug/L	10	56	36	128			
Diallate	52.4	ug/L	10	52	10	157			
Dimethoate	54.6	ug/L	10	55	15	151			
Disulfoton	54.2	ug/L	10	54	10	159			
Ethyl methanesulfonate	44.5	ug/L	10	45	10	143			
Famphur	27.0	ug/L	10	27	10	138			
Hexachloropropene	42.2	ug/L	10	42	10	131			
Isosafrole	54.8	ug/L	10	55	27	114			
Methapyrilene	26.1	ug/L		26	20	140			
Methyl methanesulfonate	31.4	ug/L	10	31	14	123			
Methyl parathion	65.6	ug/L	10	66	15	159			
o,o,o-Triethyl phosphorothioate	53.9	ug/L	10	54	31	108			
Parathion	59.6	ug/L	10	60	31	137			
Pentachlorobenzene	51.5	ug/L	10	52	15	127			
Phorate	54.0	ug/L	10	54	16	153			
Safrole	48.0	ug/L	10	48	28	113			
Sulfotep	57.8	ug/L	10	58	15	135			
Thionazin	55.1	ug/L	10	55	25	147			
Surr: 2,4,6-Tribromophenol			10	38	21	130			
Surr: 2-Fluorobiphenyl			10	39	28	107			
Surr: 2-Fluorophenol			10	25	20	56			
Surr: Nitrobenzene-d5			10	37	32	94			
Surr: Phenol-d5			10	22	19	45			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 03/20/08
Work Order: B08031019

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 31440
Sample ID: App2A-31440	Laboratory Control Sample				Run: SV5973N.I_080319A				03/19/08 23:27
Surr: Terphenyl-d14			10	43	32	122			
Sample ID: App2B-31440	Laboratory Control Sample				Run: SV5973N.I_080319A				03/19/08 23:58
1,3,5-Trinitrobenzene	56.4	ug/L	10	56	28	77			
1-Naphthylamine	50.1	ug/L	10	50	10	111			
2-Naphthylamine	48.2	ug/L	10	48	10	120			
2-Picoline	27.3	ug/L	10	27	13	93			
3,3'-Dimethylbenzidine	44.7	ug/L	10	45	10	116			
4-Aminobiphenyl	57.8	ug/L	10	58	20	131			
4-Nitroquinoline-n-oxide	59.6	ug/L	10	60	26	149			
5-Nitro-o-toluidine	56.2	ug/L	10	56	29	131			
Acetophenone	51.2	ug/L	10	51	17	144			
Diphenylamine	57.8	ug/L	10	58	31	140			
n-Nitrosodiethylamine	44.0	ug/L	10	44	18	130			
n-Nitroso-di-n-butylamine	51.3	ug/L	10	51	21	159			
n-Nitrosomethylethylamine	40.4	ug/L	10	40	14	114			
n-Nitrosomorpholine	40.8	ug/L	10	41	10	165			
n-Nitrosopiperidine	45.0	ug/L	10	45	23	148			
n-Nitrosopyrrolidine	40.6	ug/L	10	41	10	150			
o-Toluidine	40.1	ug/L	10	40	10	136			
p-(dimethylamino)Azobenzene	60.4	ug/L	10	60	40	143			
Pentachloronitrobenzene	60.9	ug/L	10	61	10	172			
Phenacetin	53.6	ug/L	10	54	30	143			
Pronamide	58.1	ug/L	10	58	30	145			
Surr: 2,4,6-Tribromophenol			10	38	21	130			
Surr: 2-Fluorobiphenyl			10	39	28	107			
Surr: 2-Fluorophenol			10	25	20	56			
Surr: Nitrobenzene-d5			10	43	32	94			
Surr: Phenol-d5			10	22	19	45			
Surr: Terphenyl-d14			10	48	32	122			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 04/04/08
Work Order: B08031019

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8151A									Batch: 31468
Sample ID: MB-31468	Method Blank				Run: CECD.I_080327C				03/28/08 01:31
2,4-D	ND	ug/L	1.0						
Dinoseb	ND	ug/L	1.0						
2,4,5-T	ND	ug/L	0.20						
2,4,5-TP (Silvex)	ND	ug/L	0.20						
Surr: DCAA			0.10	97	57	125			
Sample ID: LCS-31468	Laboratory Control Sample				Run: CECD.I_080327C				03/28/08 02:04
2,4-D	5.53	ug/L	1.0	111	58	136			
Dinoseb	4.18	ug/L	1.0	84	13	146			
2,4,5-T	5.89	ug/L	0.20	118	68	152			
2,4,5-TP (Silvex)	5.92	ug/L	0.20	118	66	153			
Surr: DCAA			0.10	95	57	125			
Sample ID: B08031019-001AMS	Sample Matrix Spike				Run: CECD.I_080331A				03/31/08 15:45
2,4-D	4.43	ug/L	1.0	89	50	140			
Dinoseb	2.73	ug/L	1.0	55	10	150			
2,4,5-T	4.17	ug/L	0.20	83	60	160			
2,4,5-TP (Silvex)	4.75	ug/L	0.20	95	60	155			
Surr: DCAA			0.10	88	57	125			
Sample ID: B08031019-001AMSD	Sample Matrix Spike Duplicate				Run: CECD.I_080331A				03/31/08 16:18
2,4-D	4.66	ug/L	1.0	93	50	140	5.1	40	
Dinoseb	2.61	ug/L	1.0	52	10	150	4.5	40	
2,4,5-T	4.24	ug/L	0.20	85	60	160	1.7	40	
2,4,5-TP (Silvex)	4.62	ug/L	0.20	92	60	155	2.8	40	
Surr: DCAA			0.10	89	57	125			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

ENERGY LABORATORIES, INC. • P.O. Box 30916 • 1120 South 27th Street • Billings, MT 59107-0916
800-735-4489 • 406-[illegible]6325 • 406-252-6069 fax • eli@energylab.com

QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 03/25/08
Work Order: B08031019

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8081A									Batch: 31441
Sample ID: MB-31441	Method Blank				Run: AECD.I_080324A				03/24/08 14:47
4,4´-DDD	ND	ug/L	0.050						
4,4´-DDE	ND	ug/L	0.050						
Aldrin	ND	ug/L	0.050						
alpha-BHC	ND	ug/L	0.050						
alpha-Chlordane	ND	ug/L	0.050						
beta-BHC	ND	ug/L	0.050						
Chlordane	ND	ug/L	0.50						
delta-BHC	ND	ug/L	0.050						
Dieldrin	ND	ug/L	0.050						
Endosulfan I	ND	ug/L	0.050						
Endosulfan II	ND	ug/L	0.050						
Endosulfan sulfate	ND	ug/L	0.050						
Endrin	ND	ug/L	0.050						
Endrin aldehyde	ND	ug/L	0.050						
Endrin ketone	ND	ug/L	0.050						
gamma-BHC (Lindane)	ND	ug/L	0.050						
gamma-Chlordane	ND	ug/L	0.050						
Heptachlor	ND	ug/L	0.050						
Heptachlor epoxide	ND	ug/L	0.050						
Isodrin	ND	ug/L	0.050						
Kepone	ND	ug/L	0.10						
Toxaphene	ND	ug/L	5.0						
Surr: Decachlorobiphenyl			0.050	84	44	119			
Surr: Tetrachloro-m-xylene			0.050	63	40	120			
Sample ID: LCS-31441	Laboratory Control Sample				Run: AECD.I_080324A				03/24/08 15:15
4,4´-DDD	0.947	ug/L	0.050	95	69	125			
4,4´-DDE	0.970	ug/L	0.050	97	52	137			
Aldrin	0.804	ug/L	0.050	80	58	111			
alpha-BHC	0.915	ug/L	0.050	92	63	114			
alpha-Chlordane	0.912	ug/L	0.050	91	68	115			
beta-BHC	0.925	ug/L	0.050	93	62	121			
delta-BHC	1.00	ug/L	0.050	100	59	116			
Dieldrin	1.02	ug/L	0.050	102	75	130			
Endosulfan I	0.767	ug/L	0.050	77	62	129			
Endosulfan II	0.998	ug/L	0.050	100	72	124			
Endosulfan sulfate	1.01	ug/L	0.050	101	67	124			
Endrin	1.09	ug/L	0.050	109	62	143			
Endrin aldehyde	1.01	ug/L	0.050	101	50	124			
Endrin ketone	1.09	ug/L	0.050	109	68	134			
gamma-BHC (Lindane)	0.927	ug/L	0.050	93	64	118			

Qualifiers:

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 03/25/08
Work Order: B08031019

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8081A									Batch: 31441
Sample ID: LCS-31441	Laboratory Control Sample				Run: AECD.I_080324A				03/24/08 15:15
gamma-Chlordane	0.879	ug/L	0.050	88	68	117			
Heptachlor	0.769	ug/L	0.050	77	57	118			
Heptachlor epoxide	0.939	ug/L	0.050	94	70	120			
Isodrin	0.816	ug/L	0.050	82	61	116			
Surr: Decachlorobiphenyl			0.050	83	44	119			
Surr: Tetrachloro-m-xylene			0.050	63	40	120			
Sample ID: LCS3-31441	Laboratory Control Sample				Run: AECD.I_080324A				03/24/08 15:44
Toxaphene	4.58	ug/L	5.0	92	51	119			
Surr: Decachlorobiphenyl			0.050	82	44	119			
Surr: Tetrachloro-m-xylene			0.050	59	40	120			
Sample ID: LCSII-31441	Laboratory Control Sample				Run: AECD.I_080324A				03/24/08 16:12
Isodrin	0.366	ug/L	0.050	73	61	116			
Kepone	0.493	ug/L	0.10	49	10	113			
Surr: Decachlorobiphenyl			0.050	81	44	119			
Surr: Tetrachloro-m-xylene			0.050	60	40	120			
Sample ID: B08031019-001BMT	Sample Matrix Spike				Run: AECD.I_080324A				03/24/08 19:01
4,4´-DDD	0.974	ug/L	0.050	97	69	125			
4,4´-DDE	0.914	ug/L	0.050	91	52	137			
Aldrin	0.768	ug/L	0.050	77	58	111			
alpha-BHC	0.855	ug/L	0.050	86	63	114			
alpha-Chlordane	0.881	ug/L	0.050	88	68	115			
beta-BHC	0.849	ug/L	0.050	85	62	121			
delta-BHC	0.941	ug/L	0.050	94	59	116			
Dieldrin	0.939	ug/L	0.050	94	75	130			
Endosulfan I	0.719	ug/L	0.050	72	62	129			
Endosulfan II	0.864	ug/L	0.050	86	72	124			
Endosulfan sulfate	0.925	ug/L	0.050	93	67	124			
Endrin	0.999	ug/L	0.050	100	62	143			
Endrin aldehyde	0.912	ug/L	0.050	91	50	124			
Endrin ketone	1.00	ug/L	0.050	100	68	134			
gamma-BHC (Lindane)	0.881	ug/L	0.050	88	64	118			
gamma-Chlordane	0.849	ug/L	0.050	85	68	117			
Heptachlor	0.734	ug/L	0.050	73	57	118			
Heptachlor epoxide	0.876	ug/L	0.050	88	70	120			
Isodrin	0.771	ug/L	0.050	77	61	116			
Surr: Decachlorobiphenyl			0.050	73	44	119			
Surr: Tetrachloro-m-xylene			0.050	55	40	120			

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 03/25/08
Work Order: B08031019

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8081A									Batch: 31441
Sample ID: B08031019-001BDT	Sample Matrix Spike Duplicate				Run: AECD.I_080324A			03/24/08 19:29	
4,4´-DDD	0.870	ug/L	0.050	87	69	125	11	40	
4,4´-DDE	0.860	ug/L	0.050	86	52	137	6.1	40	
Aldrin	0.716	ug/L	0.050	72	58	111	7.0	40	
alpha-BHC	0.808	ug/L	0.050	81	63	114	5.7	40	
alpha-Chlordane	0.839	ug/L	0.050	84	68	115	4.9	40	
beta-BHC	0.818	ug/L	0.050	82	62	121	3.7	40	
delta-BHC	0.909	ug/L	0.050	91	59	116	3.5	40	
Dieldrin	0.879	ug/L	0.050	88	75	130	6.6	40	
Endosulfan I	0.676	ug/L	0.050	68	62	129	6.2	40	
Endosulfan II	0.817	ug/L	0.050	82	72	124	5.6	40	
Endosulfan sulfate	0.867	ug/L	0.050	87	67	124	6.5	40	
Endrin	0.929	ug/L	0.050	93	62	143	7.3	40	
Endrin aldehyde	0.877	ug/L	0.050	88	50	124	3.9	40	
Endrin ketone	0.939	ug/L	0.050	94	68	134	6.3	40	
gamma-BHC (Lindane)	0.825	ug/L	0.050	83	64	118	6.6	40	
gamma-Chlordane	0.803	ug/L	0.050	80	68	117	5.6	40	
Heptachlor	0.690	ug/L	0.050	69	57	118	6.2	40	
Heptachlor epoxide	0.827	ug/L	0.050	83	70	120	5.8	40	
Isodrin	0.721	ug/L	0.050	72	61	116	6.7	40	
Surr: Decachlorobiphenyl			0.050	70	44	119			
Surr: Tetrachloro-m-xylene			0.050	54	40	120			
Sample ID: MB-31441	Method Blank				Run: BECD.I_080324A			03/24/08 14:19	
4,4´-DDT	ND	ug/L	0.050						
Methoxychlor	ND	ug/L	0.050						
Surr: Decachlorobiphenyl			0.050	100	44	119			
Surr: Tetrachloro-m-xylene			0.050	75	40	120			
Sample ID: LCS-31441	Laboratory Control Sample				Run: BECD.I_080324A			03/24/08 14:47	
4,4´-DDT	1.06	ug/L	0.050	106	69	131			
Methoxychlor	1.05	ug/L	0.050	105	63	137			
Surr: Decachlorobiphenyl			0.050	104	44	119			
Surr: Tetrachloro-m-xylene			0.050	72	40	120			
Sample ID: B08031019-001BMT	Sample Matrix Spike				Run: BECD.I_080324A			03/24/08 18:33	
4,4´-DDT	1.04	ug/L	0.050	104	69	131			
Methoxychlor	1.03	ug/L	0.050	103	63	137			
Surr: Decachlorobiphenyl			0.050	82	44	119			
Surr: Tetrachloro-m-xylene			0.050	62	40	120			

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill

Report Date: 03/25/08
Work Order: B08031019

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8081A									Batch: 31441
Sample ID: B08031019-001BDT	Sample Matrix Spike Duplicate				Run: BECD.I_080324A				03/24/08 19:01
4,4'-DDT	0.906	ug/L	0.050	91	69	131	14	40	
Methoxychlor	0.853	ug/L	0.050	85	63	137	19	40	
Surr: Decachlorobiphenyl			0.050	70	44	119	0.0	40	
Surr: Tetrachloro-m-xylene			0.050	60	40	120	0.0	40	
Method: SW8082									Batch: 31441
Sample ID: MB-31441	Method Blank				Run: AECD.I_080320B				03/21/08 00:25
Aroclor 1016	ND	ug/L	0.50						
Aroclor 1221	ND	ug/L	0.50						
Aroclor 1232	ND	ug/L	0.50						
Aroclor 1242	ND	ug/L	0.50						
Aroclor 1248	ND	ug/L	0.50						
Aroclor 1254	ND	ug/L	0.50						
Aroclor 1260	ND	ug/L	0.50						
Aroclor 1262	ND	ug/L	0.50						
Aroclor 1268	ND	ug/L	0.50						
Surr: Decachlorobiphenyl			0.050	87	44	119			
Surr: Tetrachloro-m-xylene			0.050	65	40	120			
Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.									
Sample ID: LCS1-31441	Laboratory Control Sample				Run: AECD.I_080320B				03/21/08 00:53
Aroclor 1248	8.56	ug/L	0.50	86	57	132			
Surr: Decachlorobiphenyl			0.050	86	44	119			
Surr: Tetrachloro-m-xylene			0.050	65	40	120			
Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.									
Sample ID: B08030998-001AMB	Sample Matrix Spike				Run: AECD.I_080320B				03/21/08 06:59
Aroclor 1248	6.88	ug/L	0.50	69	57	132			
Surr: Decachlorobiphenyl			0.050	68	44	119			
Surr: Tetrachloro-m-xylene			0.050	58	40	120			
Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.									
Sample ID: B08030998-001ADB	Sample Matrix Spike Duplicate				Run: AECD.I_080320B				03/21/08 07:27
Aroclor 1248	6.70	ug/L	0.50	67	57	132	2.7	40	
Surr: Decachlorobiphenyl			0.050	59	44	119			
Surr: Tetrachloro-m-xylene			0.050	55	40	120			
Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.									

Qualifiers:

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Energy Laboratories Inc
Workorder Receipt Checklist

B08031019

Butte Silver Bow Public Works Dept

Login completed by: Eric Frank

Reviewed by: Denise Ruby

Reviewed Date: 3/14/2008 2:33:00 PM

Date and Time Received: 3/14/2008 9:00 AM

Received by: smr

Carrier name: Return-UPS Ground X2

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	4°C On Ice
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Contact and Corrective Action Comments:

None

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

PLEASE PRINT- Provide as much information as possible.

Company Name:	Project Name, PWS, Permit, Etc.	Sample Origin	EPA/State Compliance:
Pioneer Technical Services	Old Landfill	State: Mt	Yes ☑ No ☐

Report Mail Address:	Contact Name:	Phone/Fax:	Email:	Sampler: (Please Print)
63½ W. Broadway Butte, Mt 59701	Brad Hollamon	490-7678	bhollamon@pioneertechnical	Brad Hollamon

Invoice Address:	Invoice Contact & Phone:	Purchase Order:	Quote/Bottle Order:
BSB Public Works 126 W. Granite Butte, Mt. 59701	Gary Keeler 406-497-6515		25902

Special Report/Formats – ELI must be notified prior to sample submittal for the following:

☐ DW ☐ A2LA
☐ GSA ☐ EDD/EDT (Electronic Data)
☐ POTW/WWTP Format: _____
☐ State: _____ ☐ LEVEL IV
☐ Other: _____ ☐ NELAC

RUSH: Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: RTRN UPS(CKI)
Cooler ID(s): x2
Receipt Temp: 4 °C
On Ice: Yes (one) No
Custody Seal: Y N
Intact: Y N
Signature Match: Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other)	8151	8081H, 608	8270	8260							SEE ATTACHED	Normal Turnaround (TAT)	LABORATORY USE ONLY
TB																	
1	BSB-GW-02	3/12/08	11:45	W, 8	X	X	X	X								X	803019-001
2	BSB-GW-04	↓	12:30	W, 8	X	X	X	X								X	-002
3	BSB-GW-07		13:00	W, 4				X								X	-003
4	BSB-GW-03		13:30	W, 8	X	X	X	X								X	-004
5	BSB-GW-01	↓	14:45	W, 8	X	X	X	X								X	-005
6	TB 2-28-08	CADRSAU	SHP0233														-006
7																	
8																	
9																	
10																	

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Brad Hollamon	3/13/08 13:40	Brad Hollamon			
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
			Received by Laboratory:	Date/Time:	Signature:
			Sandy Kusek	3-14-08	9:00

Sample Disposal: Return to Client: _____ Lab Disposal: _____

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.
Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

Atlantic Richfield Company
bp
A BP affiliated company

Chain of Custody Record

165555

Project Name: Clark Tailings
BP BU/AR Region/Enfos Segment:
State or Lead Regulatory Agency: MDEQ
Requested Due Date (mm/dd/yy):

Page ___ of ___

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions:	See Book
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: MSE	BP/AR Facility No.:	Consultant/Contractor: Pioneer Technical
Address: 200 Technology Way	BP/AR Facility Address:	Address: 63112 US Rte 191
Butte MT 59701	Site Lat/Long:	Butte MT 59701
Lab PM: Maureen Pearson	California Global ID No.:	Consultant/Contractor Project No.: 17015 07001
Tele/Fax: 406-494-7334	Enfos Project No.:	Consultant/Contractor PM: Brad Mitchell
BP/AR EBM: ~~213 A~~ Steve Sery	Provision or OOC (circle one)	Tele/Fax: 787-5177
Address: 213 Anaconda Rd	Phase/WBS:	Report Type & QC Level: Standard
Butte MT 59701	Sub Phase/Task:	E-mail EDD To:
Tele/Fax: 406-797-9914	Cost Element:	Invoice to: Consultant or BP or Atlantic Richfield Co. (circle one)

Lab Bottle Order No:

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air		Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3 Filt	Preservative: HCl	Preservative: Methanol		Requested Analysis: 6010 Sec-2	Requested Analysis: OM									Sample Point Lat/Long and Comments
1	BSB-GW-06	1540	3/12/08		X				2	X		X				X	X									OM-Sb, As, Cd, Cr,
2	BSB-GW-08	1610			X				2	X		X				X	X									Ba, Be, Fe, Pb, Hg, Ni
3	BSB-GW-05	1615			X				2	X		X				X	X									Se, Ag, Tl, U, Zn
4	BSB-GW-09	1700			X				2	X		X				X	X									
5																										
6																										
7																										
8																										
9																										
10																										

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Julie Flammang						
Sampler's Company: Pioneer Technical Services	Julie Flammang/PTS	3/13/08	1430	Sarah Lund/MSE-TA	3/13/08	1430
Shipment Date: 3/13/08						
Shipment Method: Hand Delivered						
Shipment Tracking No:						

Special Instructions: Hand delivered in cooler on ice

Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: ___ °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

Consultant/Contractor

BP COC Rev. 5 10/11/2006

Instructions for Completing Chain Of Custody

AR = Atlantic Richfield Company, a BP affiliated company

Page ___ of ___ *(Self explanatory)*

Project Name *(Assigned by BP/AR and provided to Laboratory by BP/AR or the Consultant/Contractor, whoever is completing the COC)*
BP BU/AR Region/Enfos Segment *(BP Business Unit or the AR Region [e.g., East Coast, Midwest, West Coast] and the Enfos Segment [e.g., Retail, Refining, OBC Mining])*
State or Lead Regulatory Agency *(State samples were collected in or lead regulatory agency especially where state or agency has specific laboratory requirements)*
Requested Due Date (mm/dd/yy) *(The date data is required – if fast turn is required the lab should be notified in advance to insure their capability to meet deadline)*
On-site Time and Temperature *(Self explanatory)*
Off-site Time and Temperature *(Self explanatory)*
Sky Conditions *(Clear, Partly Cloudy, Overcast)*
Meteorological Events *(Thunderstorms, Rain, Hail, Sleet, Snow, etc.)*
Wind Speed *(Approximate speed – mph or knots)* **Direction** *(The direction from which the wind is blowing)*

Lab Name *(Self explanatory)*
Lab Address *(Self explanatory – please include city, state and zip)*
Lab PM *(Laboratory project manager or primary contact)*
Tele/Fax: *(Lab telephone and fax numbers)*

BP/AR EBM *(EBM or project manager)*
Address *(Self explanatory – please include city, state and zip)*
Tele/Fax *(BP/AR PM telephone and fax numbers)*

BP/AR Facility No. *(Self explanatory)*
BP/AR Facility Address *(Self explanatory – please include city, state and zip)*
Site Lat/Long *(Latitude and longitude of site [include datum] / as required by regulatory agencies)*
California Global ID Mo. (Specific requirement for California Retail sites)
Enfos Project No. *(Self explanatory)*
Provision or OOC *(Circle one)*
Phase/WBS *(Enfos Phase or Work Breakdown Structure)*
Sub Phase/Task *(Enfos Sub Phase and Task)*
Cost Element *(Enfos Cost Element)*

Consultant/Contractor *(Consultant/contractor company name)*
Address *(Self explanatory – please include city, state and zip)*
Consultant/Contractor Project No. *(Number used by consultant for project)*
Consultant/Contractor PM (Consultant/contractor project manager)
Tele/Fax *(Consultant/contractor's telephone and fax numbers)*
Report Type and QC Level *(As stated in DQOs for project)*
E-mail EDD To *(Consultant must provide e-mail address when e-mail deliverable is required)*
Invoice to: Consultant/Contractor or BP or Atlantic Richfield Co. *(Circle company that invoice should be sent to)*

Lab Bottle Order Number *(Number on laboratory bottle order sheet)*

Sample Description *(Sample name, number, or other identification)*
Time and Date *(Time and date sample was collected - must be completed)*
Matrix *(Check appropriate box to indicate sample matrix)*
Laboratory No. *(Filled in at lab by lab personnel)*
No. of Containers *(Number of sample containers containing this sample)*
Preservative *(Check sample preservation or fill in blank if an unlisted preservative is used)*
Requested Analysis *(Enter and check requested analyses for each sample)*
Sample Point Lat/Long and Comments *(Latitude and longitude [include datum] as required by regulatory agencies, or other pertinent information about sample such as "on hold" or special reporting limits)*

Sampler's Name (Sampler's first and last name)
Samplers Company *(Self explanatory)*
Shipment Date *(Actual date of shipment if samples are shipped)*
Shipment Method *(FedEx, UPS, Greyhound, Slow Boat, etc.)*
Shipment Tracking No. *(Shipping number from lading ticket or air bill)*
Relinquished By / Affiliation *(Signature and company of person relinquishing custody of samples)*
Date and Time *(Date and time samples are relinquished)*
Accepted By / Affiliation *(Signature and company of person accepting custody of samples)*
Date and Time *(Date and time samples are accepted)*
Special Instructions *(Information as necessary such as special reporting limits [e.g., NPDES] that apply to all samples, etc.)*

Custody Seals, Temp Blank, Cooler Temp on Receipt, Trip Blank, MS/MSD Sample Submitted *(Laboratory personnel must complete this information upon receipt of samples)*

FORM MSE-169
(Init. 06/06)

MSE Technology Applications, Inc.
Laboratory Services

CHAIN OF CUSTODY

PROJECT ID: Old Landfill

LABORATORY PERFORMING ANALYSIS: MSE

SAMPLERS (Signature): Brad Hallaman, Julie Flammang

ANALYSIS REQUESTED

SAMPLE ID	LAB ID	DATE	TIME	pH, SC, Cl, SO4, NO2/NO3	CN-	COD	Sulfide	Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb	Hg, Ni, Se, Ag, Tl, Vn, Zn	
BSB-GW-02		3/12/08	11:45	X	X	X	X			
BSB-GW-04		↓	12:30	X	X	X	X			
BSB-GW-03		↓	13:30	X	X	X	X			
BSB-GW-01		↓	14:45	X	X	X	X	X	X	

REMARKS

Turnaround Time (TAT)

☒ Standard TAT

☐ Rush TAT (please contact laboratory personnel for arrangements)

hand delivered in cooler on ice 2.0°C

RELINQUISHED BY (Signature)	DATE	TIME	RECEIVED BY (Signature)	DATE	TIME
Julie Flammang	3/13/08	1430	Sara Ward	3/13/08	1430
PRINTED NAME: Julie Flammang	COMPANY: Pioneer		PRINTED NAME: Sara Ward	COMPANY: MSE TA	
RELINQUISHED BY (Signature)	DATE	TIME	RECEIVED BY (Signature)	DATE	TIME
PRINTED NAME	COMPANY		PRINTED NAME	COMPANY	
RELINQUISHED BY (Signature)	DATE	TIME	RECEIVED BY (Signature)	DATE	TIME
PRINTED NAME	COMPANY		PRINTED NAME	COMPANY	

COMMENTS

Invoice: Gary Keeler
BSB Public Works Dept
126 W. Granite
Butte, MT. 59701
Report: Pioneer Technical Shown Bisch

MSE LABORATORY SERVICES
200 Technology Way, P.O. Box 4078
Butte, MT 59701
PH: (406) 494-7334 / FAX: (406) 494-7230

#20

PIONEER
TECHNICAL SERVICES, INC.

P.O. BOX 3445 BUTTE, MONTANA 59702
PHONE (406) 782-5177 FAX (406) 782-5866
Internet www.pioneer-technical.com

County Silver Bow #20
Facility & # Closed Butte-Silver-Bow
Closure | Landfarm
Finan Assur | Liner
GW Corr Meas | Methane
GW Monitoring | O & M
GW Reports | Run-on
Inspections
Other: _____

December 03, 2007

Ms. Mary Louise Hendrickson
MDEQ/permitting and Compliance Division
P.O Box 200901
Helena, MT 59620

Dear Mary Louise ,

Enclosed are the analytical results and supporting documentation (including an update of statistics) for the latest groundwater sampling conducted at the old Butte-Silver Bow County Landfill; the samples were collected on September 10, 2007 as part of the assessment monitoring requirements.

Feel free to call me at 782-5177 with any questions or concerns you may have regarding the enclosed data.

Sincerely,

Brad Hollamon

Brad Hollamon
Senior Technician

Encl.

cc. Gary Keeler, BSB Landfill Manager
Shawn Bisch, Pioneer Technical Services Inc.
Steve Ferry, Atlantic Richfield Co.

RECEIVED
DEC 06 2007
Dept. of Enviro. Quality
Waste & Underground
Tank Management Bureau

100% post-consumer paper & 100% vegetable based inks

OLD SILVER BOW LANDFILL
SEPTEMBER 2007 GROUNDWATER MONITORING

The September 2007 round of sampling at the Old Silver Bow Landfill included sampling for the full Table 2 list of analytics in accordance with the Assessment Monitoring program. Table 1, attached, summarizes the analytical results. The discussion below compares these data to previous results and to current Maximum Contaminant Levels (MCLs) and Montana Human Health Standards (HHSs).

Well MBMG-2 (up gradient):

No semi-volatiles, chlorinated acids, or pesticides were detected in the well during this sampling event. One volatile compound was detected, Chloroform at (0.46 J µg/L ELI). There was one metals detected above the mean, Se (0.0024 mg/L) during this sampling event. Metals detected below the mean are; As (0.0016 mg/L), Ba (0.136 mg/L) . Nitrate/nitrite (4.42 mg/L), Sulfate (144 mg/L) and Chloride (56 mg/L) were detected at concentrations below the mean.

Well BSB-A1 (North):

Two volatile organic compounds were detected in this well during this sampling event, cis-1,2-Dichloro-ethene (ELI 0.27 J µg/L), and Tetrachloroethene (ELI 0.27 J µg/L). No other semi-volatiles, chlorinated acids, or pesticides were detected.
In accordance with the modified assessment-monitoring program, a sample for metals analyses was not collected from this well.
There were no compounds detected at levels above the mean. Nitrate/Nitrite (0.26 mg/L), Chloride (17.0 mg/L) and sulfate (99 mg/L) were detected at levels below the mean.
No MCL or HHS exceedences were observed in this well during this sampling event.

Well BSB-A5 (Northeast Well):

One volatile organic compounds was detected in this well during this sampling event Trichloroethene (ELI 0.34 J µg/L).
In accordance with the modified assessment-monitoring program, a sample for metals analyses was not collected from this well.
Chloride (28.0 mg/L), Nitrate/Nitrite (4.17 mg/L) and sulfate (742 mg/L) were detected at levels above the mean for this well. Sulfate exceeds the secondary USEPA MCL of 250 mg/L.

Well BSB-A6-R (Central Well):

Well BSB-A6-R is the replacement well for BSB-A6, removed during the construction of Timber Butte Youth Park. Thirteen volatile organic compounds (VOC's) were detected in this well; eight of the thirteen were detected at levels below the quantification limit. The thirteen volatile organic compounds were as follows:

- Acetone (11.0 J ug/L);
- Benzene (0.55 J ug/L);
- Chloroethane (0.45 J ug/L);
- 1,4-Dichlorobenzene (2.1 ug/L);
- Dichlorodifluoromethane (2.0 ug/L);
- 1,1-DCE (1.80 ug/L);
- Cis-1,2-DCE (9.8 ug/L);
- Trans-1,2-DCE (0.25 J ug/L);
- 1,2-Dichloropropane (0.54 J ug/L);
- Methylene Chloride (0.25 J ug/L);

- Tetrachloroethene (0.38 J ug/L);
- Trichloroethene (0.64 J ug/L);
- Vinyl Chloride (7.6 ug/L).

No other semi-volatiles, chlorinated acids, or pesticides were detected. In accordance with the modified assessment-monitoring program, a sample for metals analyses was not collected from this well.

Chloride (50 mg/L) was detected below the mean value of 53.90 mg/L. Sulfate (1200 mg/L) was also detected, but was well below previous results. Sulfate exceeds the secondary USEPA MCL of 250 mg/L.

Well CLK-1 (Clark Tailings North Well):

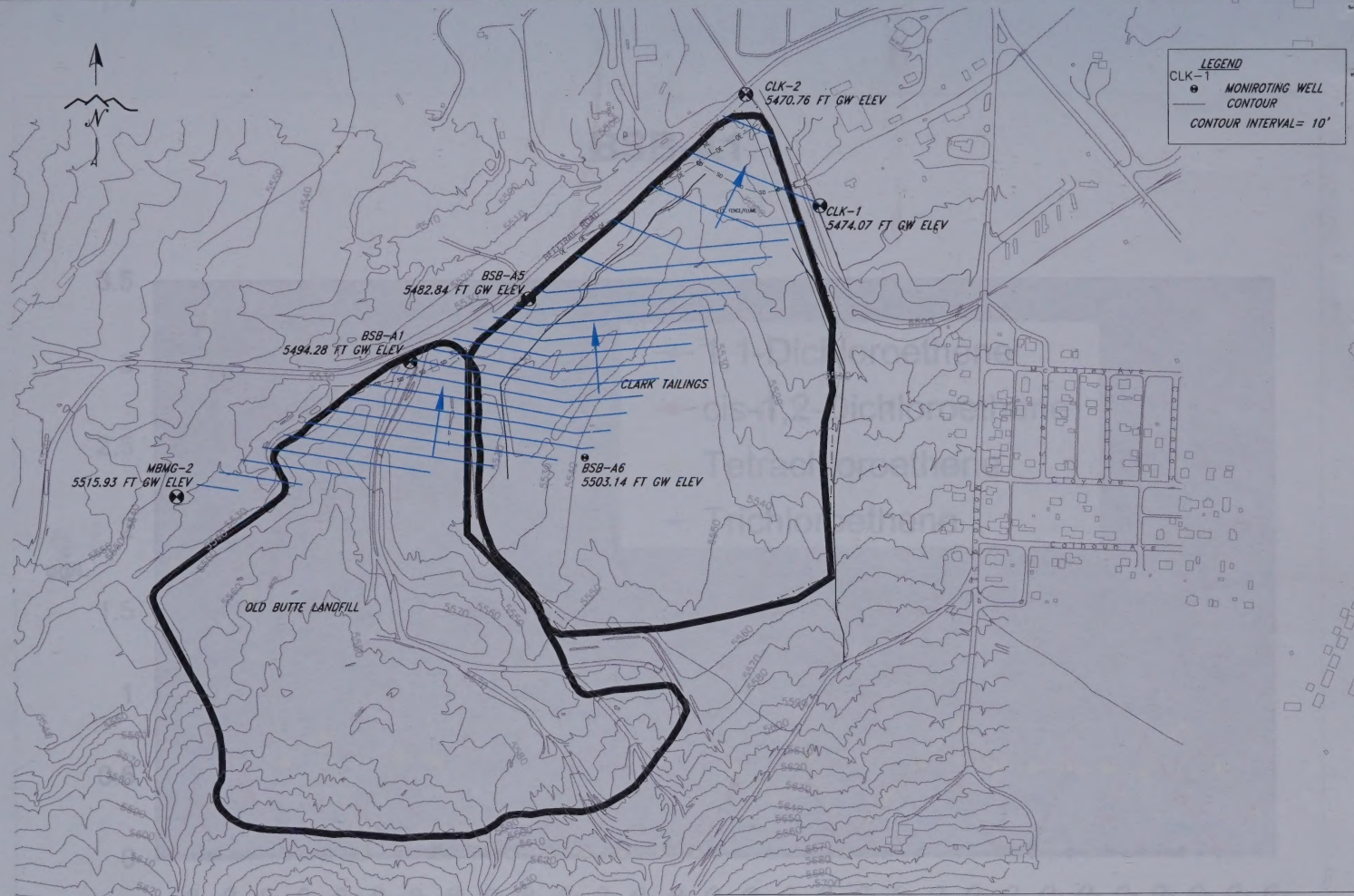
In accordance with the modified assessment-monitoring program, no samples for organic analyses were collected from this well.
The measured concentrations of the majority of metals were relatively low; the detected concentrations of arsenic (0.0917 mg/L), cadmium (0.0172 mg/L), and iron (17.4 mg/L), exceed US EPA MCL or Montana HHS standards. Zn (75.2 mg/L) was also detected at a fairly high level in this well.
Sulfate was detected at a concentration of 1360 mg/L, which exceeds the secondary MCL for this compound. Chloride was also detected (30 mg/L), with a mean value of 35 mg/L.

Well CLK-2 (Clark Tailings East Well):

In accordance with the modified assessment-monitoring program, no samples for organic analyses were collected from this well.
The measured concentrations of the majority of metals were relatively low; the detected concentrations of arsenic (0.0012 mg/L),and zinc (0.539 mg/L) were low respective to MCLs, secondary MCLs, or Montana HHS concentrations for these metals. Nickel (0.0422 mg/L) was also detected in this well above the mean value.
Sulfate was detected at a concentration of 828 mg/L, which exceeds the secondary MCL for this compound. Chloride was also detected (58 mg/L), with a mean value of 58 mg/L.

Conclusion:

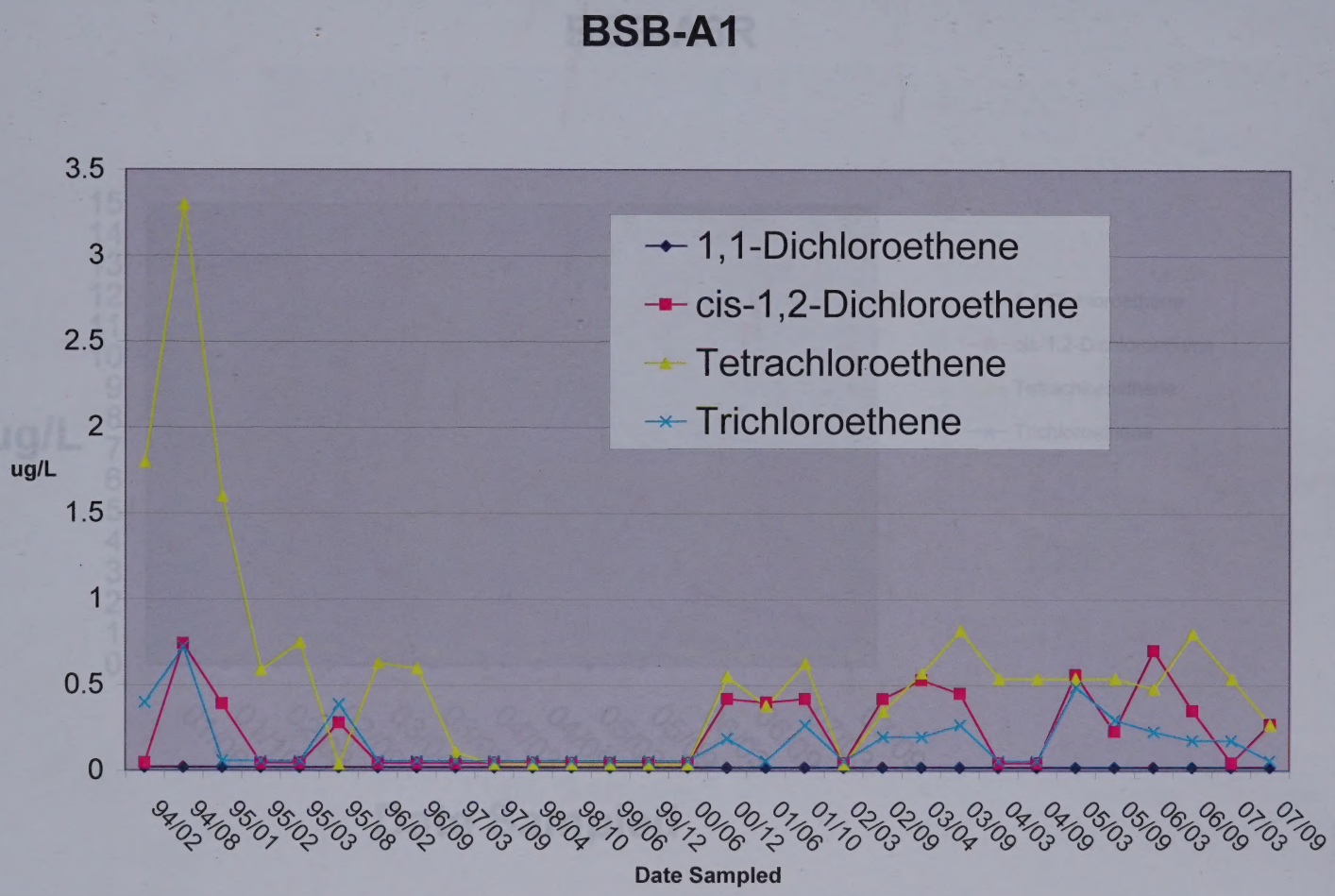
The September 2007 sampling event at the Old Butte-Silver Bow Landfill included sampling according to the modified assessment-monitoring program (see Table 2 for analytical data). The results for metals, inorganics, and organic contaminants obtained from this sampling event were comparable to previous results.

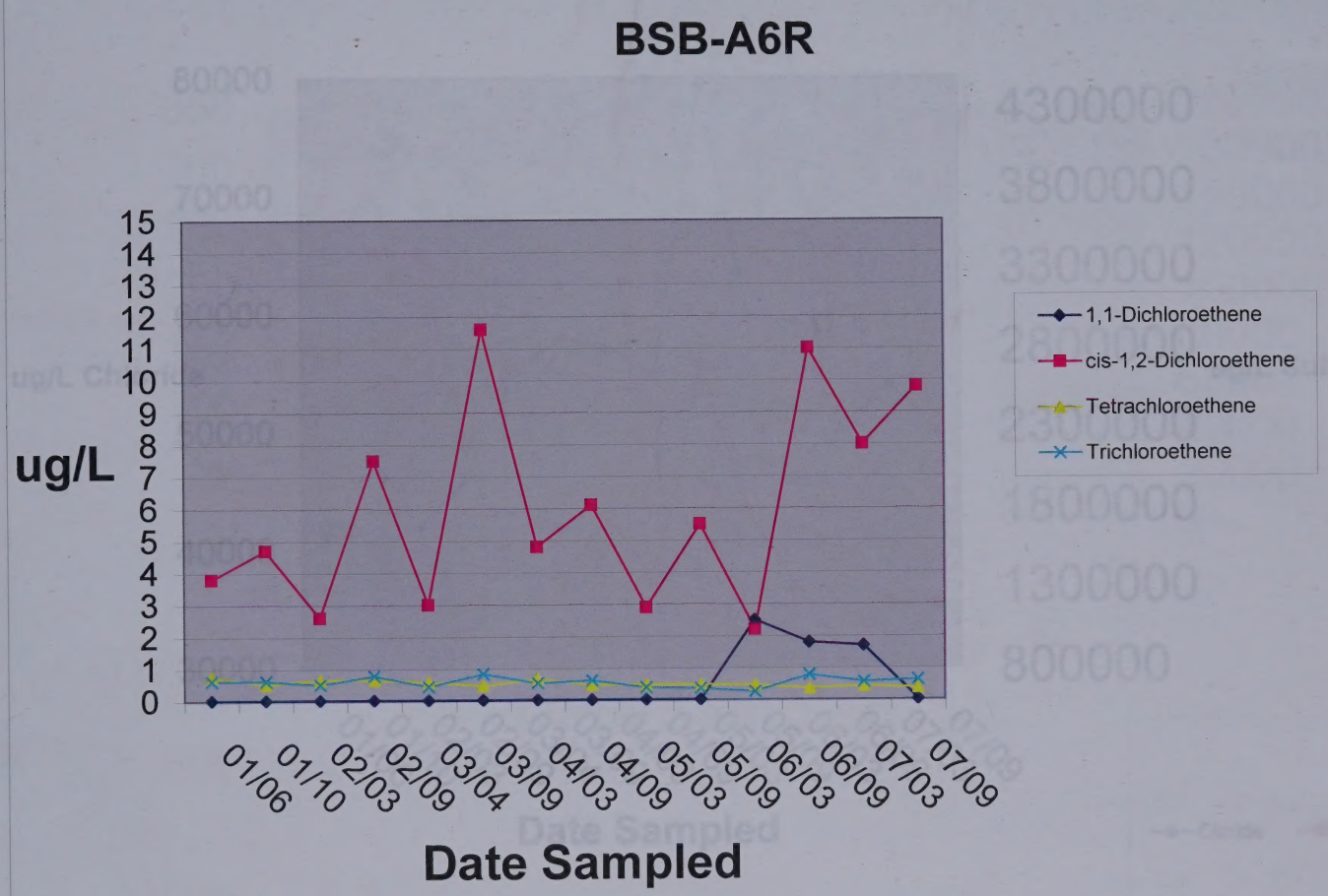


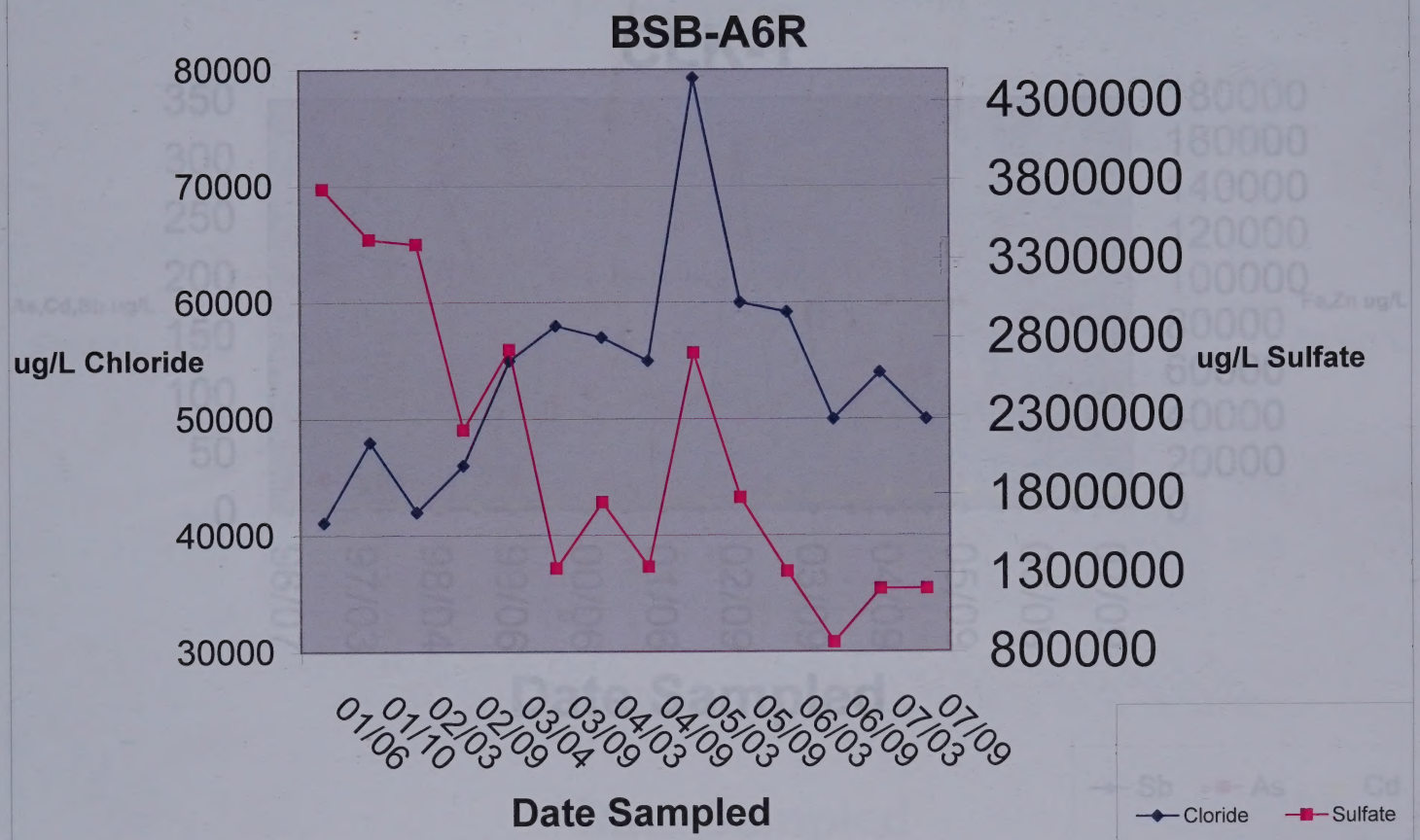
PIONEER TECHNICAL SERVICES, INC.

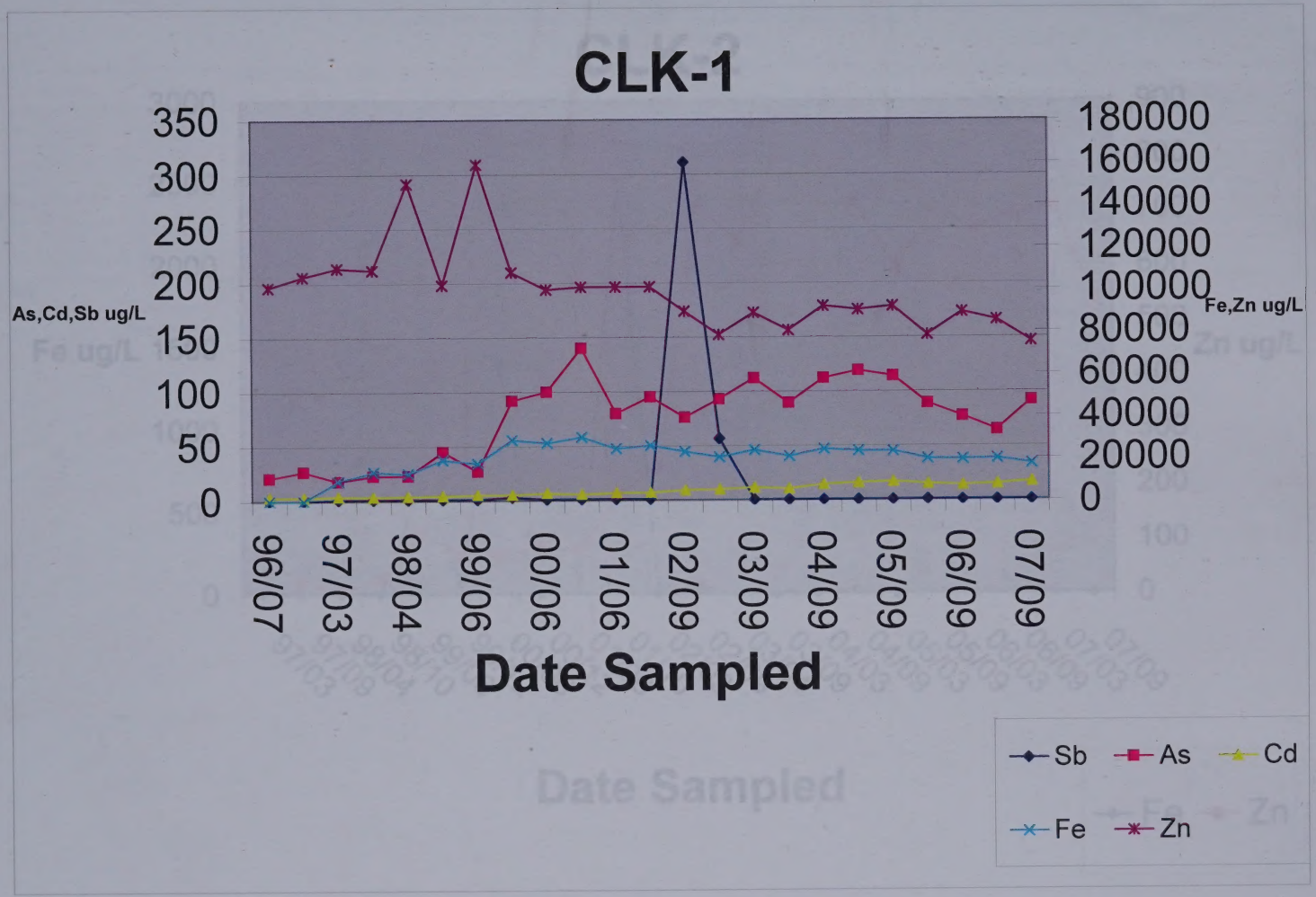
FIGURE 2
OLD BSB MUNICIPAL LANDFILL SITE/CLARK TAILINGS FACILITY
SEPTEMBER 2007
SCALE: 1"=600"
DATE: 12/4/07

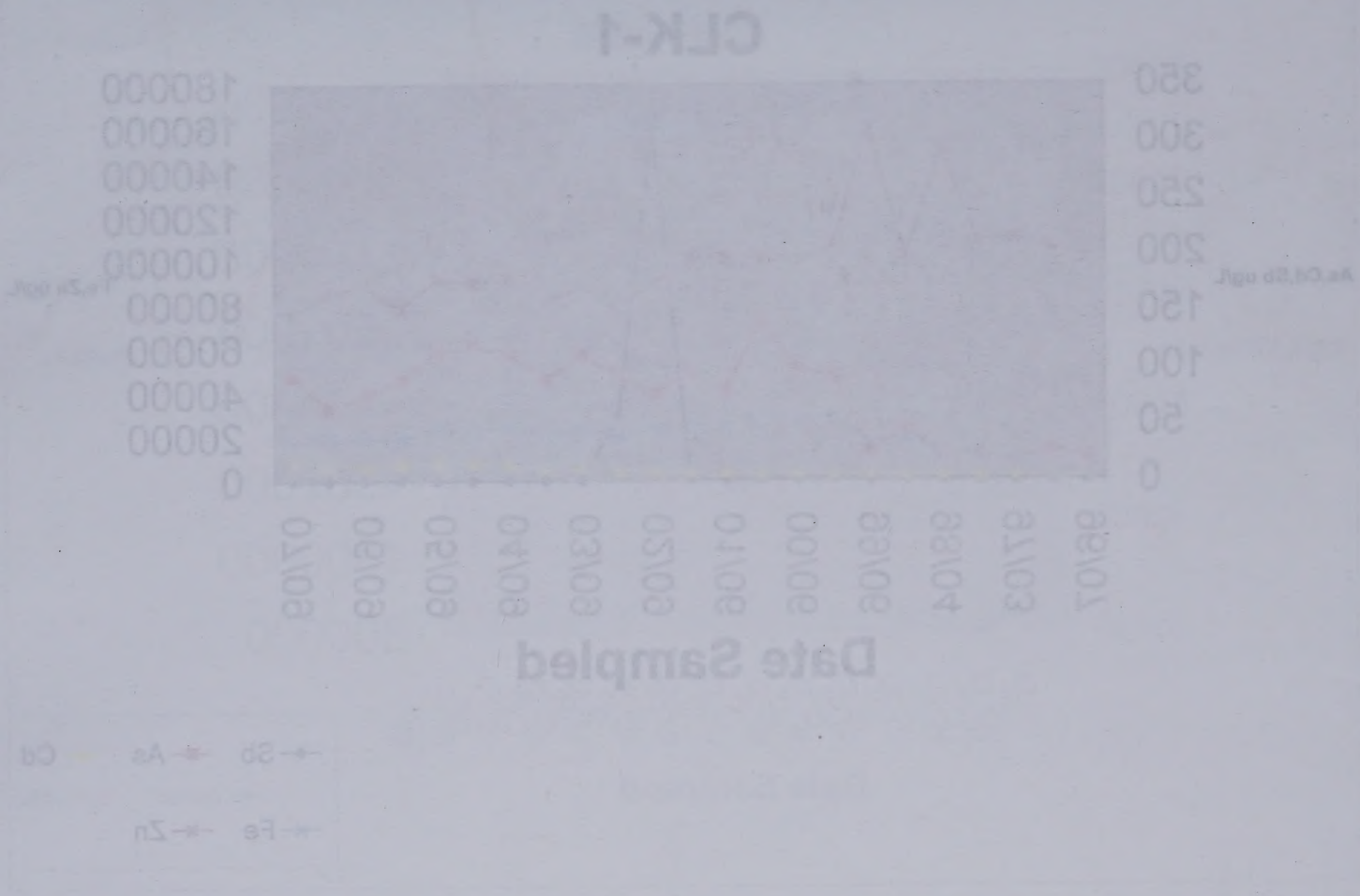
STA1\D\DATA\OLD BUTTE LANDFILL\SAMPLING-2007\OBL 103F-07.DWG

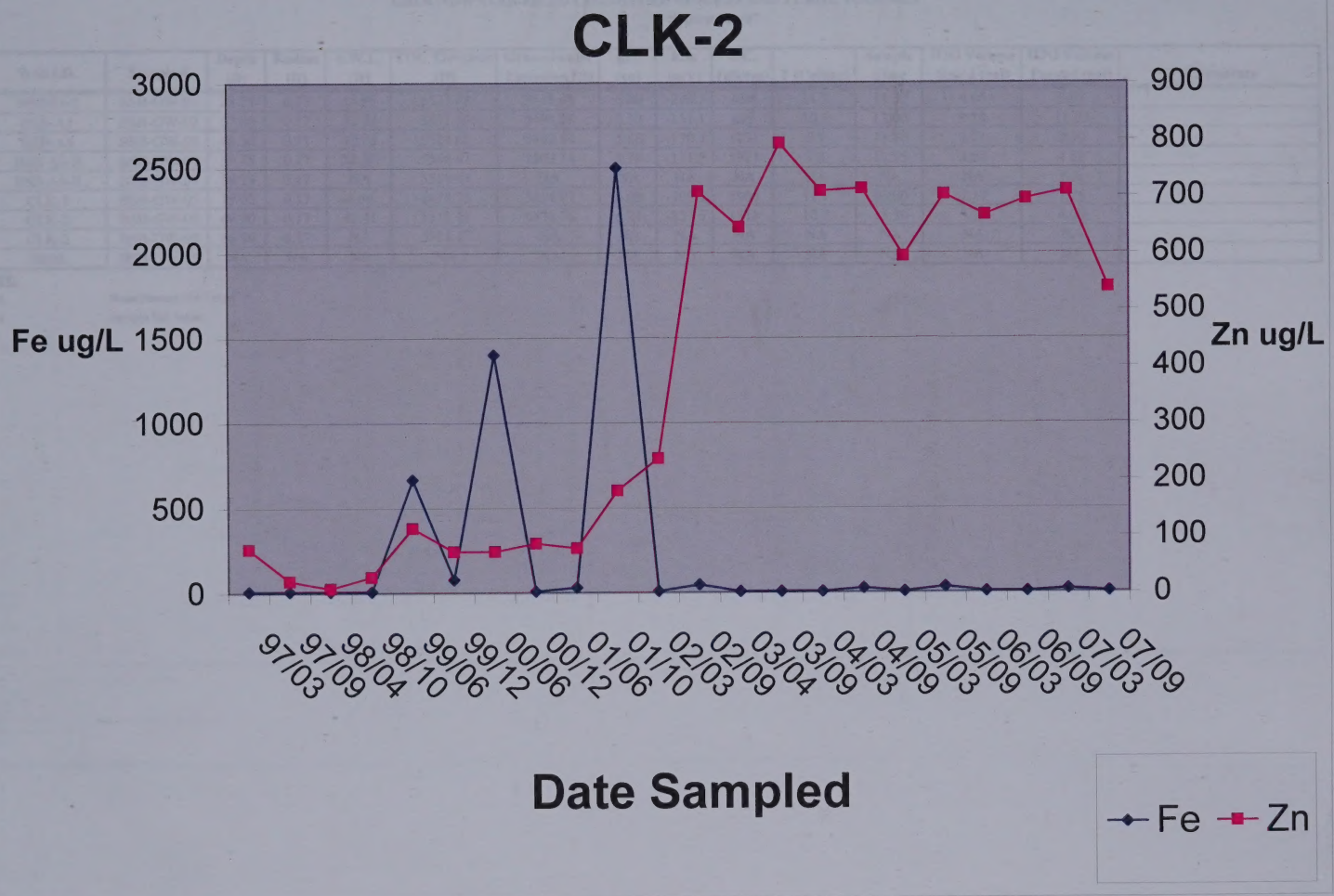

BSB-A1
1,1-Dichloroethene
cis-1,2-Dichloroethene
Tetrachloroethene
Trichloroethene
ug/L
3.5
3
2.5
2
1.5
1
0.5
0
94/02
94/08
95/01
95/02
95/03
95/08
96/02
96/09
97/03
97/09
98/04
98/10
99/06
99/12
00/06
00/12
01/06
01/10
02/03
02/09
03/04
03/09
04/03
04/09
05/03
05/09
06/03
06/09
07/03
07/09
Date Sampled


BSB-A6R
ug/L
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0
01/06
01/10
02/03
02/09
03/04
03/09
04/03
04/09
05/03
05/09
06/03
06/09
07/03
07/09
Date Sampled
1,1-Dichloroethene
cis-1,2-Dichloroethene
Tetrachloroethene
Trichloroethene


BSB-A6R
80000
70000
60000
50000
40000
30000
ug/L Chloride
4300000
3800000
3300000
2800000
2300000
1800000
1300000
800000
ug/L Sulfate
01/06
01/10
02/03
02/09
03/04
03/09
04/03
04/09
05/03
05/09
06/03
06/09
07/03
07/09
Date Sampled
Cloride
Sulfate


CLK-1
As,Cd,Sb ug/L
Fe,Zn ug/L
350
300
250
200
150
100
50
0
180000
160000
140000
120000
100000
80000
60000
40000
20000
0
96/07
97/03
98/04
99/06
00/06
01/06
02/09
03/09
04/09
05/09
06/09
07/09
Date Sampled
Sb
As
Cd
Fe
Zn


CLK-1
Fe,Zn ug/L
As,Cd,Sb ug/L
180000
160000
140000
120000
100000
80000
60000
40000
20000
0
350
300
250
200
150
100
50
0
07/09
06/09
05/09
04/09
03/09
02/09
01/09
00/09
99/09
98/09
97/09
Date Sampled
Sb
As
Cd
Fe
Zn


CLK-2
Fe ug/L
Zn ug/L
3000
2500
2000
1500
1000
500
0
900
800
700
600
500
400
300
200
100
0
97/03
97/09
98/04
98/10
99/06
99/12
00/06
00/12
01/06
01/10
02/03
02/09
03/04
03/09
04/03
04/09
05/03
05/09
06/03
06/09
07/03
07/09
Date Sampled
Fe
Zn

Old Butte-Silver Bow County Landfill
GROUNDWATER FIELD CHEMISTRY RESULTS AND PURGE VOLUMES
September-07

Well I.D.	Sample #	Depth (ft)	Radius (ft)	S.W.L. (ft)	TOC Elevation (ft)	Groundwater Elevation (ft)	pH. (su)	E.h. (mV)	S.C. (uS/cm)	T (Celsius)	Sample Time	H2O Volume Req'd (gal)	H2O Volume Purged (gal)	Comments
MBMG-2	BSB-GW-01	23.25	0.17	13.95	5529.88	5515.93	6.80	-220.3	634	11.9	14:30	4.65	5.25	
BSB-A1	BSB-GW-02	57.00	0.17	37.22	5531.50	5494.28	6.30	-151.1	492	10.2	12:00	9.89	11.00	
BSB-A5	BSB-GW-03	46.50	0.17	42.08	5524.62	5482.54	5.86	-170.7	1271	9.4	13:30	2.21	2.50	
BSB-A6-R	BSB-GW-04	59.75	0.17	51.27	5554.41	5503.14	5.79	-171.8	1923	9.8	12:55	4.24	4.50	
BSB-A6-R	BSB-GW-07	59.75	0.17	NA	5554.41	NA	NA	NA	NA	NA	NA	NA	NA	
CLK-1	BSB-GW-05	19.00	0.17	4.66	5478.73	5474.07	6.08	-399.5	1904	11.1	16:00	7.17	7.25	
CLK-2	BSB-GW-06	46.90	0.17	40.41	5511.17	5470.76	6.21	-257.5	1514	10.7	15:30	3.25	4.00	
CLK-2	BSB-GW-08	46.90	0.17	NA	5511.17	NA	NA	NA	NA	NA	NA	NA	NA	
Blank	BSB-GW-09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

KEY:

NA Measurement Not Taken

SA Sample Not Taken

TABLE I: ANALYTICAL DATA FOR GROUNDWATER SAMPLES, OLD SILVER BOW COUNTY LANDFILL
DATE SAMPLED: September, 10 2007

SAMPLE NUMBER / WELL / ANALYTE (units):	BSB-GW-01 MBMG-2	BSB-GW-02 BSB-A1	BSB-GW-03 BSB-A5	BSB-GW-04 BSB-A6-R	BSB-GW-05 CLK-1	BSB-GW-06 CLK-2	BSB-GW-07 BSB-A6R DUPE	BSB-GW-08 CLK-2 DUPE	BSB-GW-09 Field Blank Trip Blank	GW PROTECTION STANDARDS USEPA MCL*	GW PROTECTION STANDARDS MONTANA HHS	GW PROTECTION STANDARDS USEPA MCL*	GW PROTECTION STANDARDS MONTANA HHS
DISSOLVED METALS (mg/L)													
Antimony	< 0.050	NR	NR	NR	< 0.251	< 0.050	NR	NR	NR	0.006	0.014	0.006	0.014
Arsenic	0.0016	NR	NR	NR	0.0917	0.0012	NR	NR	NR	0.05	0.018	0.05	0.018
Barium	0.138	NR	NR	NR	0.028	0.021	NR	NR	NR	2	1	2	1
Beryllium	< 0.00005	NR	NR	NR	0.00048	< 0.00005	NR	NR	NR	0.004	0.040	0.004	0.040
Cadmium	< 0.00003	NR	NR	NR	0.0172	0.00087	NR	NR	NR	0.005	0.005	0.0050	0.0050
Chromium	< 0.0160	NR	NR	NR	< 0.0160	< 0.0160	NR	NR	NR	0.1	0.1	0.1	0.1
Cobalt	not reported	NR	NR	NR	not reported	not reported	NR	not reported	not reported	---	---	---	---
Copper	0.0011	NR	NR	NR	0.0012	0.0064	NR	NR	NR	1.3 (a)	1	1.3 (a)	1
Iron	< 0.014	NR	NR	NR	17.4	< 0.0140	NR	NR	NR	0.3 (s)	0.3	0.3	0.3
Lead	0.00022	NR	NR	NR	0.00030	0.00024	NR	NR	NR	0.015 (a)	0.015	0.015 (a)	0.015
Mercury	< 0.00001	NR	NR	NR	< 0.00001	< 0.0000	NR	NR	NR	0.002	0.00014	0.002	0.00014
Nickel	< 0.031	NR	NR	NR	< 0.1550	0.0422	NR	NR	NR	0.1	0.1	0.1	0.1
Selenium	0.0024	NR	NR	NR	0.0045	0.0028	NR	NR	NR	0.05	0.05	0.05	0.05
Silver	< 0.00037	NR	NR	NR	< 0.00037	< 0.00037	NR	NR	NR	0.1 (s)	---	0.1	---
Thallium	0.00002	NR	NR	NR	0.00004	< 0.00004	NR	NR	NR	0.002	0.0017	0.002	0.0017
Tin	NR	NR	NR	NR	NR	NR	NR	NR	NR				
Vanadium	0.0073	NR	NR	NR	< 0.0189	< 0.0038	NR	NR	NR	---	---	---	---
Zinc	< 0.0150	NR	NR	NR	75.2	0.539	NR	NR	NR	5 (s)	5	5	5
INORGANICS (mg/L)													
Chloride	56	17	28	50	30	58	NR	NR	NR	250 (s)	---	250	---
COD	< 10.0	< 10.0	< 10.0	< 10.0	NR	NR	NR	NR	NR	---	---	---	---
Conductivity (umhos/cm)	806	503	1530	2240	2240	1870	NR	NR	NR	---	---	---	---
Cyanide	< 0.005	< 0.005	< 0.005	< 0.005	NR	NR	NR	NR	NR	---	---	---	---
Nitrate\Nitrite - N	4.42	0.26	4.17	< 0.05	NR	NR	NR	NR	NR	10	---	10	---
pH	7.2	7.2	6.2	6.2	6.5	6.5	NR	NR	NR				
Sulfate	144	99	742	1200	1360	828	NR	NR	NR	250 (s)	---	250	---
Sulfide	NR	NR	NR	NR	NR	NR	NR	NR	NR				
EPA METHOD 8260 (ug/L)													
Acetone	< 20.0	< 20.0	< 20.0	(ELI 11.0 JT)< 20.0	NR	NR	NR		NR				
Benzene	< 1.0	< 1.0	< 1.0	(ELI 0.55 J)< 1.0	NR	NR	NR		NR				
Carbon Disulfide	< 1.0	< 1.0	< 1.0	< 1.0	NR	NR	NR		NR	---	---	---	---
Chloroethane	< 1.0	< 1.0	< 1.0	(ELI 0.45 J)< 1.0	NR	NR	NR		NR	---	57	---	57
Chloroform	(ELI 0.46J)< 1.0	< 1.0	< 1.0	< 1.0	NR	NR	NR		NR				
Chlormethane	< 1.0	< 1.0	< 1.0	< 1.0	NR	NR	NR		NR				
1,4-Dichlorobenzene	< 1.0	< 1.0	< 1.0	2.1	NR	NR	NR		NR				
Dichlorodifiouromethane	< 1.0	< 1.0	< 1.0	2.0	NR	NR	NR		NR				
1,1-Dichloroethane	< 1.0	< 1.0	< 1.0	1.8	NR	NR	NR		NR				
1,2-Dichloroethane	< 1.0	< 1.0	< 1.0	< 1.0	NR	NR	NR		NR	70	70	70	70
cis-1,2-Dichloroethene	< 1.0	(ELI 0.27J)< 1.0	1.7	9.8	NR	NR	NR		NR				
trans-1,2-Dichloroethene	< 1.0	< 1.0	< 1.0	(ELI 0.25 J)< 1.0	NR	NR	NR		NR				
1,2-Dichloropropene	< 1.0	< 1.0	< 1.0	(ELI 0.54 J)< 1.0	NR	NR	NR		NR				
4-Isopropyltoluene	< NR	NR	NR	NR	NR	NR	NR		NR				
Methylene Chloride	< 1.0	< 1.0	< 1.0	(ELI 0.25 J)< 1.0	NR	NR	NR		NR				
Naphthalene	< 1.0	< 1.0	< 1.0	< 1.0	NR	NR	NR		NR	5	8	5	8
Tetrachloroethene	< 1.0	(ELI 0.27J)< 1.0	1.2	(ELI 0.38J)< 1.0	NR	NR	NR		NR				
Trichloroethene	< 1.0	< 1.0	(ELI 0.34 J)< 1.0	(ELI 0.64 J)< 1.0	NR	NR	NR		NR				
1,2,4-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR		NR				
Vinyl Chloride	< 1.0	< 1.0	< 1.0	7.6	NR	NR	NR		NR				
EPA METHOD 8270 (ug/L)													
bis(2-ethylhexyl)Phthalate	< 10	< 10	< 10	< 10	NR	NR	NR		NR				
EPA METHOD 8151 (ug/L)	ND	ND	ND	ND	NR	NR	NR		NR				
EPA METHOD 8081 (ug/L)	NR	NR	NR	NR	NR	NR	NR		NR				

* MCL definitions: a = action level, not an MCL; s = secondary MCL (aesthetics)
NA = Not enough sample available for analysis
NR = Analysis Not Requested
ND = Analyte Not Detected
J = Estimated Quantity. Anlyte present, but less than the practical quantitation limit (PQL).
NB= Sample Not Collected (Frozen Well-CLK-1)
SA = Sample Not Taken

Bolded values are above the MCL. Italicized bold values are above the State HHS.

TABLE 5-3 (updated 11/30/2007)

SILVER BOW COUNTY -OLD LANDFILL GROUNDWATER DATA SUMMARY - ORGANIC CONSTITUENTS (ug/L)

Analyte	STANDARDS MCL	STANDARDS HHS	MBMG-2 Mean	MBMG-2 Median	BSB-A1 Mean	BSB-A1 Median	BSB-A5 Mean	BSB-A5 Median	BSB-A6-R Mean	BSB-A6-R Median	Mean Exceeds Std. or Bkd	Median Exceeds Std. or Bkd.	BLANK Mean	BLANK Median	LAB MDL
			n= 28		n= 30		n= 22		n= 14				n= 19		
Acetone	--	--	3.46	1.65	4.13	1.65	1.80	1.65	4.05	2.18	A1,A6R (bkd)	A6R (bkd)	4.66	1.65	3.3
Benzene	5	5	0.03	0.03	0.03	0.03	0.03	0.03	0.38	0.39	A6R (bkd)	A6R (bkd)	0.03	0.03	0.05
Carbon Disulfide	--	--	1.01	0.05	0.19	0.05	0.10	0.05	0.05	0.05	None	None	0.15	0.05	0.09
Chloroethane	--	--	0.05	0.05	0.05	0.05	0.05	0.05	0.15	0.05	A6R (bkd)	None	0.05	0.05	0.1
Chloroform	--	60	0.48	0.46	0.05	0.05	0.05	0.05	0.06	0.05	None	None	0.10	0.05	0.09
Chloromethane	--	--	0.04	0.04	0.07	0.04	0.04	0.04	0.04	0.04	A1 (bkd)	None	0.13	0.04	0.08
1,2-Dichlorobenzene-8260	600	600	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	None	None	0.09	0.09	0.17
1,4-Dichlorobenzene-8260	75	75	0.06	0.06	0.06	0.06	0.06	0.06	0.29	0.06	A6R (bkd)	None	0.06	0.06	0.12
Dichlorodifluoromethane	--	1400	0.04	0.04	0.05	0.04	0.09	0.04	3.58	3.65	A5,A6R (bkd)	A6R (bkd)	0.04	0.04	0.08
Dichlorofluoromethane	--	--	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	None	None	0.10	0.10	0.2
1,1-Dichloroethane	--	--	0.05	0.05	0.05	0.05	0.06	0.05	2.37	2.50	A6R (bkd)	A6R (bkd)	0.05	0.05	0.09
1,2-Dichloroethane	5	4	0.07	0.06	0.11	0.06	0.07	0.06	0.09	0.06	A1,A6R (bkd)	None	0.32	0.06	0.11
1,1-Dichloroethene	7	7	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	None	None	0.02	0.02	0.04
cis-1,2-Dichloroethene	70	70	0.05	0.05	0.23	0.05	0.90	0.91	5.96	5.15	A1,A5,A6R(bkd)	A5,A6R (bkd)	0.05	0.05	0.09
trans-1,2-Dichloroethene	100	100	0.02	0.02	0.02	0.02	0.02	0.02	0.05	0.02	None	None	0.02	0.02	0.04
1,2-Dichloropropane	5	5	0.08	0.08	0.08	0.08	0.08	0.08	0.63	0.65	A6R (bkd)	A6R (bkd)	0.08	0.08	0.16
Ethylbenzene	700	700	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	None	None	0.04	0.04	0.08
Methyl Ethyl Ketone	--	--	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	None	None	2.48	2.48	4.95
Methyl Isobutyl Ketone	--	--	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	None	None	0.95	0.95	1.89
Methylene Chloride	5	5	0.03	0.03	0.03	0.03	0.03	0.03	0.49	0.52	A6R (bkd)	A6R (bkd)	3.01	0.03	0.06
Naphthalene	--	28	0.13	0.13	0.13	0.13	0.13	0.13	0.45	0.13	A6R (bkd)	None	0.13	0.13	0.26
Tetrachloroethene	5	5	0.04	0.04	0.53	0.51	1.46	0.74	0.55	0.50	A1,A5,A6R(bkd)	A1,A5,A6R(bkd)	0.04	0.04	0.08
1,1,1-Trichloroethane	200	200	0.05	0.02	0.02	0.02	0.02	0.02	0.02	0.02	None	None	0.02	0.02	0.03
Toluene	1000	1000	0.05	0.05	0.07	0.05	0.05	0.05	0.06	0.05	None	None	0.08	0.05	0.1
Trichloroethene	5	5	0.06	0.06	0.18	0.06	0.30	0.16	0.59	0.61	A1,A5,A6R(bkd)	A5,A6R (bkd)	0.06	0.06	0.12
Trichlorofluoromethane	--	10000	0.07	0.07	0.08	0.07	0.07	0.07	0.07	0.07	None	None	0.07	0.07	0.14
Vinyl Chloride	2	0.15	0.15	0.15	0.15	0.15	0.15	0.15	2.95	2.50	A6R (std)	A6R (std)	0.15	0.15	0.3
m+p Xylenes	10000	10000	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.07	None	None	0.07	0.07	0.14
o-Xylene	10000	10000	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	None	None	0.03	0.04	0.07
			n= 27		n= 29		n= 17		n= 14				n= 3		
1,2-Dichlorobenzene-8270	600	600	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	None	None	0.53	0.53	1.07
1,4-Dichlorobenzene-8270	75	75	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	None	None	0.64	0.64	1.27
Diethylphthalate	--	5600	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	None	None	0.37	0.37	0.73
Di-n-butylphthalate	--	2700	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	None	None	0.29	0.29	0.57
Di-n-octylphthalate	--	--	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	None	None	0.41	0.41	0.82
bis(2-ethylhexyl)phthalate	6	6	0.39	0.39	0.55	0.39	1.29	0.39	1.50	0.39	A1,A5,A6R(bkd)	None	0.39	0.39	0.77
Acenaphthene	--	420	0.29	0.29	0.29	0.29	0.29	0.29	0.35	0.29	A6R (bkd)	None	0.29	0.29	0.58
1-Methylnaphthalene	--	--	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	None	None	0.40	0.40	0.80
2-Methylphenol	--	--	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	None	None	0.37	0.37	0.73
4-Methylphenol/3-Methylphenc	--	--	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	None	None	0.30	0.30	0.60
Phenol	--	300	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	None	None	0.34	0.34	0.67
			n= 23		n= 25		n= 16		n= 13				n= 1		
Picloram	500	500	0.076	0.002	0.002	0.002	0.198	0.002	0.023	0.002	A5,A6R (bkd)	None	0.002	0.002	0.003
2,4,5-T	50	70	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	None	None	0.002	0.002	0.003
2,4-D	70	70	0.011	0.011	0.011	0.011	0.017	0.011	0.011	0.011	None	None	0.011	0.011	0.023
4-Nitrophenol	--	56	0.018	0.005	0.005	0.005	0.005	0.005	0.005	0.005	None	None	0.005	0.005	0.009
Dacthal	--	70	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	None	None	0.0004	0.0004	0.0009
Pentachlorophenol	1	1	0.004	0.004	0.009	0.004	0.004	0.004	0.004	0.004	A1 (bkd)	None	0.004	0.004	0.007

BDL values calculated as equal to one-half the method detection limit (MDL)

TABLE 5-1 (Continued 11/15/2007)

SILVER BOW COUNTY, OLD LANDFILL, GROUNDWATER DATA SUMMARY - ORGANIC COMPOUNDS (µg/L)

Analyte	STANDARDS MCL	STANDARDS Hbn	08/02/2 Mean	08/02/2 Median	10/01/2 Mean	10/01/2 Median	02/04/4 Mean	02/04/4 Median	02/04/5 Mean	02/04/5 Median	Main Exceedance Set in Bold	Secondary Exceedance Set in Bold	RUN - Mean	RUN - Median	LAR MWA
Acetone	--	--	3.49	1.40	1.66	1.60	1.89	1.60	4.29	2.10	A1,AS,AR (SW)	AS,AR (GW)	4.64	2.10	2.10
Benzene	5	5	0.05	0.05	0.05	0.05	0.05	0.05	0.34	0.05	AS,AR (SW)	AS,AR (GW)	0.05	0.05	0.05
Carbon Disulfide	--	--	0.49	0.50	0.49	0.49	0.10	0.10	0.05	0.05	None	None	0.16	0.15	0.05
2-Butanone	--	--	0.08	0.13	0.06	0.05	0.05	0.05	0.22	0.07	AS,AR (GW)	None	0.09	0.06	0.06
Chloroform	80	80	0.40	0.40	0.04	0.04	0.05	0.05	0.05	0.05	None	None	0.16	0.05	0.05
Carbon disulfide	--	--	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	A1 (SW)	None	0.13	0.06	0.05
1,2-Dichloroethane (EDC)	600	600	0.06	0.06	0.06	0.06	0.05	0.05	0.29	0.06	None	None	0.09	0.06	0.06
1,4-Dichlorobenzene	75	75	0.05	0.05	0.05	0.05	0.05	0.05	0.29	0.05	AS,AR (GW)	None	0.09	0.05	0.05
1,1-Dichloroethane	--	1400	0.04	0.05	0.05	0.05	0.05	0.05	0.25	0.05	AS,AR (GW)	AS,AR (GW)	0.06	0.05	0.05
Methylene chloride	--	--	0.10	0.10	0.10	0.10	0.10	0.10	--	0.10	None	None	0.10	0.10	0.10
1,1-Dichloroethane	--	--	0.05	0.05	0.05	0.05	0.05	0.05	0.25	0.05	AS,AR (GW)	AS,AR (GW)	0.06	0.05	0.05
1,1-Dichloroethene	5	4	0.07	0.05	0.11	0.05	0.07	0.05	0.29	0.05	A1,AS,AR (GW)	None	0.09	0.05	0.05
1,2-Dichloroethane	70	2	0.07	0.05	0.07	0.05	0.07	0.05	0.05	0.05	None	None	0.06	0.05	0.05
cis-1,2-Dichloroethene	70	70	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	AS,AR (SW)	AS,AR (GW)	0.05	0.05	0.05
trans-1,2-Dichloroethene	100	100	0.02	0.02	0.02	0.02	0.02	0.02	0.05	0.02	None	None	0.02	0.02	0.02
1,2-Dichloropropane	5	5	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	AS,AR (GW)	AS,AR (GW)	0.05	0.05	0.05
Ethylbenzene	700	700	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	None	None	0.04	0.04	0.04
Methyl ethyl ketone	--	--	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	None	None	2.46	2.46	2.46
Methyl isobutyl ketone	--	--	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	None	None	0.09	0.09	0.09
Methylene Chloride	5	4	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	AS,AR (GW)	AS,AR (GW)	0.01	0.05	0.05
Styrene	--	20	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.13	AS,AR (GW)	None	0.13	0.13	0.13
Tetrachloroethene	5	5	0.04	0.05	0.04	0.05	0.04	0.05	0.04	0.05	A1,AS,AR (SW)	A1,AS,AR (SW)	0.04	0.05	0.05
1,1,2-Trichloroethane	200	200	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	None	None	0.05	0.05	0.05
Toluene	1000	1000	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	None	None	0.06	0.06	0.06
Trichloroethene	5	5	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	A1,AS,AR (SW)	AS,AR (SW)	0.06	0.06	0.06
Trichlorofluoromethane	--	10000	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	None	None	0.07	0.07	0.07
Vinyl Chloride	2	0.15	0.18	0.15	0.18	0.15	0.18	0.15	0.18	0.15	AS,AR (SW)	AS,AR (SW)	0.18	0.15	0.15
m+p Xylenes	10000	10000	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	None	None	0.07	0.07	0.07
o-Xylene	10000	10000	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	None	None	0.04	0.04	0.04
1,2-Dichlorobenzene (1270)	600	600	0.04	0.04	0.04	0.04	0.05	0.05	0.29	0.05	None	None	0.09	0.05	0.05
1,4-Dichlorobenzene (1270)	75	75	0.04	0.04	0.04	0.04	0.04	0.04	0.29	0.04	None	None	0.09	0.04	0.04
Methylphenol	--	20000	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	None	None	0.27	0.27	0.27
2,4-Dimethylphenol	--	2700	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	None	None	0.29	0.29	0.29
Dibenzofuran	--	--	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	None	None	0.41	0.41	0.41
Benzo-a-anthracene/chrysene	5	5	0.29	0.29	0.29	0.29	0.29	0.29	1.29	0.29	A1,AS,AR (SW)	None	0.29	0.29	0.29
Naphthalene	--	420	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	AS,AR (SW)	None	0.29	0.29	0.29
1-Methylnaphthalene	--	--	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	None	None	0.40	0.40	0.40
2-Methylnaphthalene	--	--	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	None	None	0.37	0.37	0.37
1,4-Naphthoquinone	--	--	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	None	None	0.30	0.30	0.30
Phenanthrene	--	2800	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	None	None	0.34	0.34	0.34
Pyrene	500	500	0.075	0.075	0.075	0.075	0.104	0.075	0.075	0.075	AS,AR (SW)	None	0.091	0.075	0.075
2,4,5-T	50	70	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	None	None	0.005	0.005	0.005
2,4-D	70	70	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	None	None	0.011	0.011	0.011
4-Nitrophenol	200	200	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	None	None	0.005	0.005	0.005
Dicamba	--	70	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	None	None	0.0004	0.0004	0.0004
Pentachlorophenol	1	1	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	A1,AS (SW)	None	0.004	0.004	0.007

BDL values are assumed to equal to one half the reporting limit (Reporting limit (RL)).

TABLE 5-2 (updated11/30/2007)
SILVER BOW COUNTY -OLD LANDFILL GROUNDWATER DATA SUMMARY
INORGANIC CONSTITUENTS (ug/L)

	STANDARDS														Mean	Median			
	USEPA	MT GW	MBMG-2		BSB-A1		BSB-A5		BSB-A6R		CLK-1		CLK-2		Exceeds	Exceeds	BLANK		LAB
Analyte	MCL*	HHS	Mean	Median	Mean	Median	Mean	Median	Mean	Median	Mean	Median	Mean	Median	Std. or Bkd.	Std. or Bkd.	Mean	Median	MDL
			n=28		n=8		n=4		n=0		n=23		n=22				n=17		
Ag	- -	100	0.1	0.1	0.8	0.1	0.1	0.1	- -	- -	0.3	0.1	0.3	0.1	CLK1,CLK2(bkd)	None	0.9	0.1	0.21
As	50	20	2	2	2	2	3	2	- -	- -	75	89	2	2	CLK1 (std)	CLK1 (std)	1	1	0.11
Ba	2,000	2,000	139	138	88	79	26	27	- -	- -	32	31	28	28	None	None	1	0	1
Be	4	4	0.2	0.1	0.5	0.6	0.2	0.1	- -	- -	0.4	0.4	0.1	0.1	CLK1(bkd)	CLK1(bkd)	0.1	0.1	0.07
Cd	5	5	0.1	0.1	0.2	0.2	0.0	0.0	- -	- -	9.3	7.4	0.4	0.3	CLK1(std),CLK2(bkd)	CLK1 (std)	0.03	0.03	0.05
Co	- -	- -	4	4	4	4	4	4	- -	- -	78	76	4	4	CLK1 (bkd)	CLK1 (bkd)	4	4	8.5
Cr	100	100	4	4	5	4	4	4	- -	- -	35	4	4	4	CLK1 (bkd)	None	4	4	10
Cu	1,300(a)	1,300	2	2	2	2	2	2	- -	- -	5	2	3	2	CLK1,CLK2 (bkd)	None	3	2	1.3
Fe	- -	300	134	9	25	22	36	36	- -	- -	21,234	20,900	222	9	CLK1(std)CLK2(bkd)	CLK1(std)	10	9	10
Hg	2	2	0.06	0.05	0.09	0.05	0.10	0.07	- -	- -	0.06	0.05	0.10	0.05	CLK2 (bkd)	None	0.06	0.05	0.11
Ni	- -	100	7	7	7	7	7	7	- -	- -	113	7	16	9	CLK1(std),CLK2(bkd)	CLK2 (bkd)	7	7	13.3
Pb	15(a)	15	0.7	0.5	0.8	0.5	0.8	0.5	- -	- -	1.1	0.5	0.9	0.5	CLK1,CLK2 (bkd)	None	0.5	0.5	0.10
Sb	6	6	2	1	3	1	2	2	- -	- -	18	1	1	1	CLK1 (std)	None	3	1	0.1
Se	50	50	1.2	0.4	0.6	0.4	0.4	0.4	- -	- -	2.7	0.4	1.9	0.7	CLK1,CLK2(bkd)	None	0.6	0.4	0.53
Tl	2	2	1	1	4	5	3	1	- -	- -	0	0	1	0	None	None	0	1	0.04
V	- -	- -	8	8	3	3	3	3	- -	- -	5	3	3	3	None	None	2	3	2.1
Zn	- -	2,000	13	5	12	12	14	12	- -	- -	99,374	99,800	384	388	CLK1(std)CLK2(bkd)	CLK1(std)CLK2(bkd)	7	5	5.3
			n=28		n=30		n=18		n=14		n=20		n=21				n=0		
Chloride	250,000(s)	- -	57,186	57,000	17,063	17,000	25,561	25,000	53,900	54,500	34,720	34,050	57,624	62,000	CLK2 (bkd)	CLK2 (bkd)	- -	- -	5000
Sulfate	250,000(s)	- -	150,643	144,000	98,160	90,300	588,611	592,500	2,068,000	1,765,000	1,718,000	1,630,000	838,524	822,000	A5, A6R,C1,2 (std)	A5, A6R,C1,2 (std)	- -	- -	5000
Nitrate	10,000	10,000	7,120	6,655	592	555	2,687	2,690	47	25	- -	- -	- -	- -	None	None	- -	- -	50
COD	- -	- -	38,207	15,000	32,397	19,300	54,894	8,000	290,029	23,300	- -	- -	- -	- -	A5, A6R (bkd)	A1,A6R (bkd)	- -	- -	5000
SC	- -	- -	765	768	492	473	1,190	1,215	3,105	2,710	2,671	2,655	1,816	1,830	A5, A6R,C1,2(bkd)	A5, A6R,C1,2(bkd)	- -	- -	- -

* MCL definitions: a = action level, not a MCL; s = secondary MCL (asthetics)
BDL values calculated as equal to one half the method detection limit (MDL)

6/20/07 BSB-W6 (cont.)

Controller set at 33.5Hz, purging at 2.75 gpm.

pH	Temp	SC	DO	Eh	Vol.
7.48	10.8	479	7.96	261	55
7.47	10.8	479	7.88	260.5	57.75
7.48	10.8	478	7.91	260.8	60.5
7.49	10.8	478	7.91	261.3	63.25
7.49	10.8	479	7.90	261.7	66
7.50	10.8	479	7.92	262.1	68.75
7.50	10.8	479	7.92	262.6	71.5

1646 Collect CL2-GW-04

1-1L, Raw, pH, SC, Cl^-, SO_4^{-2}, NO_2/NO_3
1-1L- H_2SO_4, COD
1-1L- NaOH, CN^-
1-1L- Filt/HNO_3, Sb, As, Ba, Be, Cd, Cr, Cu, Co, Fe, Pb, Hg, Ni, Se, Ag, Tl, V, Zn
2-40ml VOA's HCl, 8260b

OLD LANDFILL Monitoring 9/10/07

Calibrate Meters
pH 4.01 → 3.94 slp -94.4
7.00 → 6.93
10.01 → 10.01
SC 1413 us/cm standard → 1413 us/cm @ 15.9°
eH 476.1 mV Lites → 495.2 mV
5300' @ 00% salinity

1045 Arrive @ BSB-A5
J. Flammang
B. Hollaman } PTS

Sunny, 50's-70's, Calm

Safety Mtg:
- Grass is dead, watch for fires
- At CLK-2 watch for traffic when pulling out
- Using a variety of acid use proper precautions

BSB-A5, DTW - 42.08' PVC
TD - 46.50' Casing 2"
Water Column - 4.42'
3 Well Vols - 2.25 Gallons

1055 Begin purging using ~~dedicated~~ bailer
Total Gallons purged - 2 1/2 Gallons

1330 Collect BSB-GW-03
MW-BSB-A5

1 L - Raw, pH, SC, Cl^-, SO_4^{-2}, NO_2/NO_3
1 L - NaOH, CN^-
1 L - H_2SO_4 - COD^-
2 - 1 L amber glass, Raw, ~~815~~ F 8270
1 - 1 L amber glass, Raw 8151
2 - 40 ml L vials, HCL, 8260B

1115 - Arrive @ BSB-A1
BSB-A1, DTW 37.22' IPVC
TD 576, Water Column - 19.78'
Casing - 2" 3 Well Vols - 10 gallon

1120 Begin purging using dedicated bailer
Total gallons purged - 11

11:25 Arrive at BSB-A6R
DTW - 51.27', TD - 59.75'
2" - dia., Column - 8.48'
3 Well Vol. - 4.25 gal.

11:30 Begin purging using dedicated bailer.
Total gallons purged - 4.50 gal.

1200 Collect BSB-GW-02
MW-BSB-A1

1L - Raw, pH, SC, Cl^-, SO_4^{-2}, NO_2/NO_3
1L - NaOH, CN^-
1L - H_2SO_4, COD
2 - 1L - amber glass, Raw, 8270
1 - 1L amber glass, Raw, 8151
2 - 40ml VOA, HCl, 8260b

1240 Collect Field parameters BSB-A1

pH	temp	Sc	Eh	DO
6.30	10.2	492	-151.1	4.89

12:55 Collect BSB-GW-04
MW-BSB-A6R

1L-Raw, pH, SC, Cl^-, SO_4^{-2}, NO_2/NO_3
1L- NaOH, CN^-
1L- H_2SO_4, COD
2-1L amber glass, Raw, 8270
1L-amber glass, Raw, 8151
4-40ml VOA vials, 8260b

pH	Temp	SC	DO	EH
5.79	9.8	1923	4.30	-171.8

BSB-A5 - BSB-GW-03
Parameters.

pH	Temp	SC	DO	EH
5.86	9.4	1271	2.49	-170.7

14:00 Arrive at MBMG-2
DTW-13.95', TD-23.25'
2"-dia., Column-9.30'
3 Well Vol.-4.65 gal.

Total gallons purged - 5.25

1430 - Collect BSB-GW-01
MBMG-8

1-1L Raw, pH, SC, Cl^-, SO_4^{-2}, NO_2/NO_3
1-1L NaOH, CN^-
1-1L H_2SO_4, COD
1-1L Filt/HNO_3, DM-Sb, As, Ba, Be, Cd
Cr, Cu, Fe, Pb, Mg, Ni, Se, Ag, Tl, V, Zn
2-1L Amber Glass Raw, SVOCs-8270
1-1L Amber Glass, Raw-8151
2-40 ml vials, HCL, 8260

pH	temp	SC	DO	EH
6.80	11.9	634	4.08	-220.3

14:50 Arrive at CLK-2
DTW-40.41', TD-47.50'
Water Column-7.09 3 well Vols-3.5 Gallons

15:15 Begin pumping w/ 13 stage 12 volt pump set at 47' pumping at 0.5gpm
Clampped. Purged 4.0 gal.

15:45 Collect BSB-GW-04
MW- BSB- MLP

1L- Rem, pH, Sc, Cl-, SO4-2, NO3+NO2-
1L- NaOH, CN-
1L- H2SO4, COD
2-1L amber glass, Rem, BTEX
1L- amber glass, Rem, BNs
4- 40ml VOA vials, BTEX

pH Temp SC DO EL
5.9F 9.8 1495 4.30 1148

RSB-MS- BSB-GW-03
Parameters,

pH Temp SC DO EL
5.80 9.4 1541 5.49 1103

14:00 Arrive at MGMW-2
DTW- 12.95', TD- 25.25'
2"-dia, Column- 9.30'
25 Well Vol- 4.65 gal.

Total gallons purged - 35

14:20 Collect BSB-GW-01
MGMW-2

1-1L Raw pH, Sc, Cl-, SO4-2, NO3/NO2
1-1L NaOH, CN-
1-1L H2SO4, COD
1-1L HNO3, DMS Sb, As, Ba, Be, Cd
Cr, Cu, Fe, Pb, Mn, Se, Ag, Tl, V, Zn
3-1L Glass Raw, Phenols - BSB
1-1L Glass, Raw- BTEX
3- 40 ml vials, MCL, EDBO

pH Temp SC DO EH
6.80 11.9 634 4.08 -303

14:50 Arrive at CLW-2
DTW- 40.41', TD- 47.50'
Water Column- 7.09 3 well Vol- 3.5 gals

15:15 Begin Purging w/ 2" stainless 12 volt Pump set at 47' Purging at 0.5gpm
Clarified, Purged 4.0 gal

15:30 Collect BSB-GW-06
MW CLK-2
1-1 L Raw pH, SC, Cl⁻, SO4⁻², ~~NO2/NO3~~
1-1 L, Filt/HNO3 - DM - see MBMG-8

pH	Temp	SC	DO	EL
6.21	10.7	1514	1.93	-257.5

15:40 Arrive at CLK-1
DTW - 4.66' IPVC, TD - 19.00'
2" - dia., Column - 14.34'
3 Well Vol. - 7.17 gallons.

15:45 Begin purging w/ dedicated bailer.
Total gallons purged - 7.25

1600 Collect BSB-GW-05
MW-CLK-1

1-1L Raw, pH, SC, Cl⁻, SO4⁻²
1-1L Filt/HNO3, DM - See MBMG-2

pH	Temp	SC	DO	EL
6.08	11.1	1901	1.73	-399.5

Meter Recheck

pH 4.01 → 3.98
7.00 → 6.89
10.01 → 9.95
SC 1413 us/cm standard 1406 @ 22.0
eH 476.1 mV Ites soln → 461.3 mV

GROUND A.R.S. TRACKING NUMBER 1Z E91 029 06 1050 1006 | REF #/ DATE

GROUND A.R.S. TRACKING NUMBER 1Z E91 029 06 1050 1015 | REF #/ DATE

Energy Shipping Labels

Tuesday, November 13, 2007

Analytical Laboratory

Brad Hollamon
Pioneer Technical Services
P.O. Box 3445
Butte, MT 59701

RE: Revised Report

Work Order: 0709080

Dear Brad Hollamon:

During our November 30th conversation, you indicated that the metal results for samples BSB-GW-05 and BSB-GW-06 were mislabeled based upon examination of historical data. Examination of the sample bottles indicated that they were incorrectly labeled during sample log-in. This situation has been corrected (reference Corrective Action Report 38), and enclosed please find revised analytical results for samples BSB-GW-05 and BSB-GW-06.

I'm sorry for any confusion or delays this mistake has caused. If you have any questions regarding these test results, please feel free to call.

Sincerely,

Marcee Cameron

Marcee Cameron
Laboratory Director/ Chemist
406-494-7371

Enclosure

MSE Analytical Laboratory

P.O. Box 4078
200 Technology Way
Butte, MT 59701

Lab: 406-494-7334
Fax: 406-494-7230
labinfo@mse-ta.com

Tuesday, November 13, 2007

Analytical Laboratory

Brad Holleman
Pioneer Technical Services
P.O. Box 3446
Butte, MT 59701

RE: Revised Report Work Order: 0700080

Dear Brad Holleman:

During our November 7th conversation, you indicated that the metal results for samples BSB-GW-06 and BSB-GW-08 were invalidated based upon examination of historical data. Examination of the sample bottles indicated that they were inadvertently iced during sample log-in. This situation has been corrected (reference Corrective Action Report 38), and enclosed please find revised analytical results for samples BSB-GW-06 and BSB-GW-08.

I'm sorry for any confusion or delays this mistake has caused. If you have any questions regarding these test results, please feel free to call.

Sincerely,

Melissa Clement
Laboratory Director Chemist
406-494-7271

Enclosure

MSE Lab Services

Date: *05-Dec-07*

CLIENT: Pioneer Technical Services
Client Sample ID: BSB-GW-06
Lab Order: 0709080
Collection Date: 9/10/2007 3:30:00 PM
Project: OLD LANDFILL/CLARK TAILINGS
Lab ID: 0709080-005 CLK-2
Matrix: AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
245.1 MERCURY DISSOLVED-ARCO			**E245.1**	**E245.1**			Analyst: **KGJ**
Mercury	<MDL	0.0000149	0.0005	U	mg/L	1	10/4/2007
ICP-AES CLP ILMO6.X -DISSOLVED AQUEOUS M			**E200.7**	**E200.2**			Analyst: **CJR**
Antimony	<MDL	50.3	60	U	µg/L	1	10/3/2007
Barium	21.2	0.5	50	B	µg/L	1	10/3/2007
Chromium	<MDL	16	10	U	µg/L	1	10/8/2007
Iron	<MDL	13.965	200	U	µg/L	1	10/3/2007
Nickel	42.2	30.975	40		µg/L	1	10/3/2007
Vanadium	<MDL	3.778	25	U	µg/L	1	10/3/2007
Zinc	539	15.447	60		µg/L	1	10/3/2007
ICP-MS ILMO6.X - DISSOLVED AQUEOUS METAL			**E200.8**	**E200.2**			Analyst: **SW**
Arsenic	1.15	0.43488112	1.5	B	µg/L	1	10/11/2007
Beryllium	<MDL	0.05868277	0.25	U	µg/L	1	10/11/2007
Cadmium	0.873	0.02626129	0.1		µg/L	1	10/11/2007
Copper	6.43	0.41017302	1.25		µg/L	1	10/11/2007
Lead	0.234	0.04500425	0.2		µg/L	1	10/11/2007
Selenium	2.75	0.67904109	2		µg/L	1	10/11/2007
Silver	<MDL	0.36827811	1	U	µg/L	1	10/11/2007
Thallium	0.042	0.01877079	0.05	B	µg/L	1	10/11/2007
ANIONS BY ION CHROMATOGRAPHY			**E300.0**				Analyst: **CJR**
Chloride	57.9	0.94	5		mg/L	20	9/18/2007
Sulfate	828	0.5	10		mg/L	20	9/18/2007
NITRATE/NITRITE BY AUTO-ANALYZER			**E353.2**				Analyst: **HC**
Nitrogen, Nitrate-Nitrite	1.38	0.01	0.05		mg/L	1	9/27/2007
PH MEASUREMENT-WATER			**E150.1**				Analyst: **DH**
pH	6.5	0.083	0.1		SU	1	9/14/2007
CONDUCTIVITY			**A2510B**				Analyst: **DH**
Specific Conductivity	1870	0.422	1		µmhos/cm	1	9/14/2007

MC **Review**

Definitions:

B	Analyte detected below the CRQL	CRQL	Contract Required Quantitation Limit (ILMO6.X)
H	Holding times for preparation or analysis exceeded	J	Analyte detected below the Reporting Limit
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit (MDL)
U	Not Detected at the Method Detection Limit (MDL)		

MSE Lab Services

Date: 05-Dec-07

CLIENT: Highway Technics Services
Client Sample ID: RSE-GW-06
A&D Order: 07-0830
Collection Date: 04/12/2007 @ 12:00 PM
Project: OLD LAKE CLARK TAILINGS
Lab ID: 07-0830-06
Matrix: AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
24.1 MERCURY DISSOLVED-ARCO							Analyst: KDJ
Mercury	<MDL	0.00003149	0.0005		mg/L	1	10/04/2007
ICP-AES CLP ILM04.X DISSOLVED ALUMINUM							Analyst: CJR
Aluminum	<MDL	30.0	60		ug/L	1	10/08/2007
Barium	31.2	0.5	20		ug/L	1	10/08/2007
Cadmium	<MDL	.36	10		ug/L	1	10/08/2007
Iron	<MDL	12.984	200		ug/L	1	10/08/2007
Lead	42.2	30.372	10		ug/L	1	10/08/2007
Manganese	<MDL	3.779	25		ug/L	1	10/08/2007
Zinc	539	0.447	20		ug/L	1	10/08/2007
ICP-MS ELEMENTAL - DISSOLVED ALUMINUM METAL							Analyst: SW
Arsenic	1.18	0.0466212	1.0		ug/L	1	10/17/2007
Beryllium	<MDL	0.0066277	0.25		ug/L	1	10/17/2007
Cadmium	0.373	0.0260179	0.1		ug/L	1	10/17/2007
Copper	6.44	0.4107202	1.25		ug/L	1	10/17/2007
Lead	0.234	0.0660102	0.2		ug/L	1	10/17/2007
Selenium	2.18	0.0779041	2		ug/L	1	10/17/2007
Silver	<MDL	0.3661811	1		ug/L	1	10/17/2007
Thallium	0.069	0.0131279	0.05		ug/L	1	10/17/2007
ANIONS - IC - ION CHROMATOGRAPH							Analyst: CJR
Chloride	2.79	0.94	5		mg/L	20	10/19/2007
Sulfate	0.0	0.8	10		mg/L	20	10/19/2007
IR TRACE SURFACTANTS BY AUTO-ANALYZER							Analyst: PC
Surfactants as Acetate	1.42	0.01	0.05		mg/L	1	10/10/2007
PH DISSOLVED-WATER							Analyst: DH
pH	6.6	0.065	0.1		SU	1	10/10/2007
CONDUCTIVITY							Analyst: DH
Specific Conductivity	1470	0.622	1		umhos/cm	1	10/10/2007

Review

Qualifiers:
B Analyte detected in the method blank.
H Holding time for preparation or analysis exceeded.
MDL Method Detection Limit.
U Not Detected at the Method Detection Limit (MDL).
J Analyte detected below the CRQL.
E Analyte exceeds the calibration range (J/MDL-E).
J Analyte detected below the Reporting Limit.
RD The Reporting Limit is the Method Detection Limit (MDL).

MSE Lab Services

Date: *05-Dec-07*

CLIENT: Pioneer Technical Services
Lab Order: 0709080
Project: OLD LANDFILL/CLARK TAILINGS
Lab ID: 0709080-006 CLK-1

Client Sample ID: BSB-GW-05
Collection Date: 9/10/2007 4:00:00 PM
Matrix: AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
245.1 MERCURY DISSOLVED-ARCO			**E245.1**	**E245.1**			Analyst: **KGJ**
Mercury	<MDL	0.0000149	0.0005	U	mg/L	1	10/4/2007
ICP-AES CLP ILMO6.X -DISSOLVED AQUEOUS M			**E200.7**	**E200.2**			Analyst: **CJR**
Antimony	<MDL	251.5	300	U	µg/L	5	10/3/2007
Barium	28.1	2.5	250	B	µg/L	5	10/3/2007
Chromium	<MDL	16	10	U	µg/L	1	10/8/2007
Iron	17400	69.825	1000		µg/L	5	10/3/2007
Nickel	<MDL	154.875	200	U	µg/L	5	10/3/2007
Vanadium	<MDL	18.89	125	U	µg/L	5	10/3/2007
Zinc	75200	77.235	300		µg/L	5	10/3/2007
ICP-MS ILMO6.X - DISSOLVED AQUEOUS METAL			**E200.8**	**E200.2**			Analyst: **SW**
Arsenic	91.7	0.43488112	1.5		µg/L	1	10/11/2007
Beryllium	0.482	0.05868277	0.25		µg/L	1	10/11/2007
Cadmium	17.2	0.02626129	0.1		µg/L	1	10/11/2007
Copper	1.18	0.41017302	1.25	B	µg/L	1	10/11/2007
Lead	0.299	0.04500425	0.2		µg/L	1	10/11/2007
Selenium	4.50	0.67904109	2		µg/L	1	10/11/2007
Silver	<MDL	0.36827811	1	U	µg/L	1	10/11/2007
Thallium	0.040	0.01877079	0.05	B	µg/L	1	10/11/2007
ANIONS BY ION CHROMATOGRAPHY			**E300.0**				Analyst: **CJR**
Chloride	29.5	0.94	5		mg/L	20	9/18/2007
Sulfate	1360	0.5	10		mg/L	20	9/18/2007
NITRATE/NITRITE BY AUTO-ANALYZER			**E353.2**				Analyst: **HC**
Nitrogen, Nitrate-Nitrite	0.250	0.01	0.05		mg/L	1	9/27/2007
PH MEASUREMENT-WATER			**E150.1**				Analyst: **DH**
pH	6.5	0.083	0.1	H	SU	1	11/8/2007
CONDUCTIVITY			**A2510B**				Analyst: **DH**
Specific Conductivity	2240	0.422	1	H	µmhos/cm	1	11/8/2007

MC **Review**

Definitions:

B	Analyte detected below the CRQL	CRQL	Contract Required Quantitation Limit (ILMO6.X)
H	Holding times for preparation or analysis exceeded	J	Analyte detected below the Reporting Limit
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit (MDL)
U	Not Detected at the Method Detection Limit (MDL)		

Tuesday, November 13, 2007

Analytical Laboratory

Brad Hollamon
Pioneer Technical Services
P.O. Box 3445
Butte, MT 59701

RE: OLD LANDFILL/CLARK TAILINGS

Work Order: 0709080

Dear Brad Hollamon:

MSE Lab Services received 6 sample(s) on 9/11/2007 for the analyses presented in the following report.

Please find enclosed analytical results for the sample(s) received at the MSE Laboratory.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Marcee Cameron

Marcee Cameron
Laboratory Director/ Chemist
406-494-7371

Enclosure

MSE Analytical Laboratory
P.O. Box 4078
200 Technology Way
Butte, MT 59701
Lab: 406-494-7334
Fax: 406-494-7230
labinfo@mse-ta.com

RECEIVED
NOV 19 2007

Tuesday, November 13, 2007

Brad Holleman
Pioneer Technical Services
P.O. Box 3445
Butte, MT 59701

RE: GOLD LANDFILL/CLARK TAILINGS Work Order: 0709080

Dear Brad Holleman:

MSE Lab Services received 6 sample(s) on 9/11/2007 for the analyses presented in the following report.

Please find enclosed analytical results for the sample(s) received at the MSE laboratory.

If you have any questions regarding these lab results, please feel free to call.

Sincerely,

Monroe Cameron
Laboratory Director/ Chemist
406-494-7377

Enclosure

MSE Lab Services
P.O. Box 4026
320 Technology Way
Butte, MT 59701
Lab: 406-494-7377
Fax: 406-494-7230
labinfo@mse-ts.com

RECEIVED
NOV 13 2007

MSE Lab Services

Date: *13-Nov-07*

CLIENT: Pioneer Technical Services
Lab Order: 0709080
Project: OLD LANDFILL/CLARK TAILINGS
Lab ID: 0709080-001 MBM6-2

Client Sample ID: BSB-GW-01
Collection Date: 9/10/2007 2:30:00 PM
Matrix: AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
245.1 MERCURY DISSOLVED-ARCO			**E245.1**	**E245.1**			Analyst: **KGJ**
Mercury	<MDL	0.0000149	0.0005	U	mg/L	1	10/4/2007
ICP-AES CLP ILMO6.X -DISSOLVED AQUEOUS M			**E200.7**	**E200.2**			Analyst: **CJR**
Antimony	<MDL	50.3	60	U	µg/L	1	10/3/2007
Barium	136	0.5	50		µg/L	1	10/3/2007
Chromium	<MDL	16	10	U	µg/L	1	10/8/2007
Iron	<MDL	13.965	200	U	µg/L	1	10/3/2007
Nickel	<MDL	30.975	40	U	µg/L	1	10/3/2007
Vanadium	7.32	3.778	25	B	µg/L	1	10/3/2007
Zinc	<MDL	15.447	60	U	µg/L	1	10/3/2007
ICP-MS ILMO6.X - DISSOLVED AQUEOUS METAL			**E200.8**	**E200.2**			Analyst: **SW**
Arsenic	1.56	0.43488112	1.5		µg/L	1	10/11/2007
Beryllium	<MDL	0.05868277	0.25	U	µg/L	1	10/11/2007
Cadmium	<MDL	0.02626129	0.1	U	µg/L	1	10/11/2007
Copper	1.10	0.41017302	1.25	B	µg/L	1	10/11/2007
Lead	0.215	0.04500425	0.2		µg/L	1	10/11/2007
Selenium	2.37	0.67904109	2		µg/L	1	10/11/2007
Silver	<MDL	0.36827811	1	U	µg/L	1	10/11/2007
Thallium	<MDL	0.01877079	0.05	U	µg/L	1	10/11/2007
ANIONS BY ION CHROMATOGRAPHY			**E300.0**				Analyst: **CJR**
Chloride	56.0	0.235	1.25		mg/L	5	9/18/2007
Sulfate	144	0.125	2.5		mg/L	5	9/18/2007
CHEMICAL OXYGEN DEMAND - E410.1			**E410.1**				Analyst: **CJR**
Chemical Oxygen Demand	7.7	5.79	15	B	mg/L	1	10/4/2007
NITRATE/NITRITE BY AUTO-ANALYZER			**E353.2**				Analyst: **HC**
Nitrogen, Nitrate-Nitrite	4.42	0.01	0.05		mg/L	1	9/27/2007
PH MEASUREMENT-WATER			**E150.1**				Analyst: **DH**
pH	7.2	0.083	0.1		SU	1	9/14/2007

MM **Review**

Definitions:
- B Analyte detected below the CRQL
- H Holding times for preparation or analysis exceeded
- U Not Detected at the Method Detection Limit (MDL)
- CRQL Contract Required Quantitation Limit (ILMO6.X)
- MDL Method Detection Limit

MSE Lab Services

Date: 13-Nov-07

CLIENT: Pioneer Technical Services
Lab Order: 0709020
Project: OLD LANDFILL/CLARK TAILINGS
Lab ID: 0709020-001

Client Sample ID: BSB-GW-01
Collection Date: 31/8/2007 2:30:00 PM
Matrix: AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
243.1 MERCURY DISSOLVED-AFCO			E243.1				Analyst: KGJ
Mercury	<MDL	0.00001148	0.0005	U	mg/L	1	10/4/2007
ICP-AES CLP FLMOD.X -DISSOLVED AQUEOUS M			E200.7				Analyst: CJR
Antimony	<MDL	30.3	60	U	ug/L	1	10/9/2007
Barium	136	0.5	50		ug/L	1	10/9/2007
Chromium	<MDL	18	10	U	ug/L	1	10/9/2007
Iron	<MDL	19.985	200	U	ug/L	1	10/9/2007
Nickel	<MDL	20.978	40	U	ug/L	1	10/9/2007
Vanadium	7.23	3.178	25		ug/L	1	10/9/2007
Zinc	<MDL	15.447	50	U	ug/L	1	10/9/2007
ICP-MS FLMOD.X - DISSOLVED AQUEOUS METAL			E200.8				Analyst: SW
Arsenic	1.56	0.4316412	1.5		ug/L	1	10/11/2007
Beryllium	<MDL	0.0886217	0.25	U	ug/L	1	10/11/2007
Cadmium	<MDL	0.0260612	0.1	U	ug/L	1	10/11/2007
Copper	1.10	0.4161707	1.25		ug/L	1	10/11/2007
Lead	0.219	0.0480429	0.2		ug/L	1	10/11/2007
Selenium	2.27	0.8750429	2		ug/L	1	10/11/2007
Silver	<MDL	0.3982781	1	U	ug/L	1	10/11/2007
Thallium	<MDL	0.0187707	0.05	U	ug/L	1	10/11/2007
ANIONS BY ION CHROMATOGRAPHY			E300.0				Analyst: CJR
Chloride	56.0	0.235	1.25		mg/L	5	9/14/2007
Sulfate	144	0.125	2.5		mg/L	5	9/13/2007
CHEMICAL OXYGEN DEMAND - E410.1			E410.1				Analyst: CJR
Chemical Oxygen Demand	7.7	5.79	15	I	mg/L	1	10/4/2007
NITRATE/NITRITE BY AUTO-ANALYZER			E353.2				Analyst: HC
Nitrogen, Nitrate-Nitrite	4.42	0.07	0.05		mg/L	1	9/27/2007
pH MEASUREMENT-WATER			E150.1				Analyst: DH
pH	7.2	0.093	0.1		SU	1	9/14/2007

WWA Review

Definitions:
B Analyte detected below the CRQL
H Holding time for preparation or analysis exceeded
U Not Detected at the Method Detection Limit (MDL)

CRQL Contract Required Quantitation Limit (SW846.3)
MDL Method Detection Limit

MSE Lab Services

Date: *13-Nov-07*

CLIENT: Pioneer Technical Services
Client Sample ID: BSB-GW-01
Lab Order: 0709080
Collection Date: 9/10/2007 2:30:00 PM
Project: OLD LANDFILL/CLARK TAILINGS
Lab ID: 0709080-001
Matrix: AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
CONDUCTIVITY			**A2510B**				Analyst: **DH**
Specific Conductivity	806	0.422	1		µmhos/cm	1	9/14/2007
TOTAL CYANIDE BY DISTILLATION			**E335.2**				Analyst: **CJR**
Cyanide, Total	<MDL	1.814	5	U	µg/L	1	9/17/2007

Review

Definitions:

B	Analyte detected below the CRQL	CRQL	Contract Required Quantitation Limit (ILMO6.X)
H	Holding times for preparation or analysis exceeded	MDL	Method Detection Limit
U	Not Detected at the Method Detection Limit (MDL)		

MSE Lab Services

Date: 12-Nov-07

CLIENT:	Pioneer Technical Services	Client Sample ID:	BSB-GW-01
Lab Order:	0708060	Collection Date:	8/16/2007 2:30:00 PM
Project:	OLD LANDFILL/CLARK TALLINGS		
Lab ID:	0708060-001	Matrix:	AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
CONDUCTIVITY			A2510B				Analyst: DH
Specific Conductivity	906	0.422	5		µmhos/cm	1	8/14/2007
TOTAL CYANIDE BY DISTILLATION			E335.2				Analyst: CLR
Cyanide, Total	<MDL	1.814	5	U	ug/L	1	8/17/2007

Definitions:
B Analyte detected below the CRQL
E Holding time for preparation or analysis exceeded
U Not Detected at the Method Detection Limit (MDL)

CRQL Contract Required Quantitation Limit (SW846)
MDL Method Detection Limit

Review

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MSE Lab Services

Date: *13-Nov-07*

CLIENT: Pioneer Technical Services
Lab Order: 0709080
Project: OLD LANDFILL/CLARK TAILINGS
Lab ID: 0709080-002 BSB-A1

Client Sample ID: BSB-GW-02
Collection Date: 9/10/2007 12:00:00 PM
Matrix: AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY			**E300.0**				Analyst: **CJR**
Chloride	17.1	0.15651	0.8325		mg/L	3.3	9/18/2007
Sulfate	98.8	0.08325	1.665		mg/L	3.3	9/18/2007
CHEMICAL OXYGEN DEMAND - E410.1			**E410.1**				Analyst: **CJR**
Chemical Oxygen Demand	<MDL	5.79	15	U	mg/L	1	10/4/2007
NITRATE/NITRITE BY AUTO-ANALYZER			**E353.2**				Analyst: **HC**
Nitrogen, Nitrate-Nitrite	0.261	0.01	0.05		mg/L	1	9/27/2007
PH MEASUREMENT-WATER			**E150.1**				Analyst: **DH**
pH	7.2	0.083	0.1		SU	1	9/14/2007
CONDUCTIVITY			**A2510B**				Analyst: **DH**
Specific Conductivity	503	0.422	1		µmhos/cm	1	9/14/2007
TOTAL CYANIDE BY DISTILLATION			**E335.2**				Analyst: **CJR**
Cyanide, Total	<MDL	1.814	5	U	µg/L	1	9/17/2007

Review

Definitions:

B	Analyte detected below the CRQL	CRQL	Contract Required Quantitation Limit (ILMO6.X)
H	Holding times for preparation or analysis exceeded	MDL	Method Detection Limit
U	Not Detected at the Method Detection Limit (MDL)		

MSE Lab Services

Date: 13-Nov-07

CLIENT:	Pioneer Technical Services	Client Sample ID:	BSS-GW-02
Lab Order:	0706060	Collection Date:	9/10/2007 12:00:00 PM
Project:	OLD LWDF/LUCI ARKETAN/NGS		
Lab ID:	0706060-002	Matrix:	AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY			E300.0				Analyst: CLR
Chloride	17.1	0.16597	0.5525		mg/L	3.3	9/18/2007
Sulfate	56.8	0.08328	1.655		mg/L	3.3	9/18/2007
CHEMICAL OXYGEN DEMAND - E410.1			E410.1				Analyst: CLR
Chemical Oxygen Demand	4400	5.79	10	B	mg/L	1	10/4/2007
NITRATE/NITRITE BY AUTO-ANALYZER			E353.2				Analyst: MC
Nitrogen, Nitrate-Nitrite	0.221	0.01	0.05		mg/L	1	9/27/2007
PH MEASUREMENT-WATER			E150.1				Analyst: CH
pH	7.2	0.083	0.1		SU	1	9/14/2007
CONDUCTIVITY			A2510B				Analyst: CH
Specific Conductivity	929	0.422	1		µmhos/cm	1	9/14/2007
TOTAL CYANIDE BY DISTILLATION			E335.2				Analyst: CLR
Cyanide, Total	44.0	1.474	5	B	ug/L	1	9/17/2007

Qualifiers:
B - Analyte detected below the CRQL
H - Holding time for preparation or analysis exceeded
U - Not Detected at the Method Detection Limit (MDL)

CRQL - Contract Required Quantitation Limit (SW846 3)
MDL - Method Detection Limit

Review

MSE Lab Services

Date: *13-Nov-07*

CLIENT: Pioneer Technical Services
Client Sample ID: BSB-GW-03
Lab Order: 0709080
Collection Date: 9/10/2007 1:30:00 PM
Project: OLD LANDFILL/CLARK TAILINGS
Lab ID: 0709080-003 BSB-AS
Matrix: AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY			**E300.0**				Analyst: **CJR**
Chloride	28.3	0.94	5		mg/L	20	9/18/2007
Sulfate	742	0.5	10		mg/L	20	9/18/2007
CHEMICAL OXYGEN DEMAND - E410.1			**E410.1**				Analyst: **CJR**
Chemical Oxygen Demand	<MDL	5.79	15	U	mg/L	1	10/4/2007
NITRATE/NITRITE BY AUTO-ANALYZER			**E353.2**				Analyst: **HC**
Nitrogen, Nitrate-Nitrite	4.17	0.01	0.05		mg/L	1	9/27/2007
PH MEASUREMENT-WATER			**E150.1**				Analyst: **DH**
pH	6.2	0.083	0.1		SU	1	9/14/2007
CONDUCTIVITY			**A2510B**				Analyst: **DH**
Specific Conductivity	1530	0.422	1		µmhos/cm	1	9/14/2007
TOTAL CYANIDE BY DISTILLATION			**E335.2**				Analyst: **CJR**
Cyanide, Total	<MDL	1.814	5	U	µg/L	1	9/17/2007

Review

Definitions:
- B Analyte detected below the CRQL
- H Holding times for preparation or analysis exceeded
- U Not Detected at the Method Detection Limit (MDL)
- CRQL Contract Required Quantitation Limit (ILMO6.X)
- MDL Method Detection Limit

MSE Lab Services

Date: 13-Nov-07

CLIENT:	Pioneer Technical Services	Client Sample ID:	BSB-GW-03
Lab Order:	0709080	Collection Date:	9/4/2007 1:30:00 PM
Project:	OLD LAMPRELL/CLARK TANKING		
Lab ID:	0709080-003	Matrix:	AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY			E300.0				Analyst: CLR
Chloride	32.3	0.94	5		mg/L	20	9/18/2007
Sulfate	142	0.5	10		mg/L	20	9/18/2007
CHEMICAL OXYGEN DEMAND - E410.1			E410.1				Analyst: CLR
Chemical Oxygen Demand	4400	5.79	10	U	mg/L	1	10/4/2007
NITRATE/NITRITE BY AUTO ANALYZER			E353.2				Analyst: HC
Nitrogen, Nitrate Nitrite	4.17	0.01	0.05		mg/L	1	9/27/2007
pH MEASUREMENT-WATER			E150.1				Analyst: DH
pH	6.2	0.085	0.1		SU	1	9/14/2007
CONDUCTIVITY			A2510B				Analyst: DH
Specific Conductivity	1030	0.429	1		umhos/cm	1	9/14/2007
TOTAL CYANIDE BY DISTILLATION			E335.2				Analyst: CLR
Cyanide, Total	4400	1.415	5	U	ug/L	1	9/17/2007

Reviewed

Definitions:
B - Analyte detected above the CRQL
E - Analytical result exceeds calibration range
U - Not Detected above Method Detection Limit (MDL)

CRQL - Contract Required Quantitation Limit (RLRQ) 10
MDL - Method Detection Limit

MSE Lab Services

Date: *13-Nov-07*

CLIENT: Pioneer Technical Services
Client Sample ID: BSB-GW-04
Lab Order: 0709080
Collection Date: 9/10/2007 12:55:00 PM
Project: OLD LANDFILL/CLARK TAILINGS
Lab ID: 0709080-004 BSB-A6-R
Matrix: AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY			**E300.0**				Analyst: **CJR**
Chloride	50.4	0.94	5		mg/L	20	9/18/2007
Sulfate	1200	0.5	10		mg/L	20	9/18/2007
CHEMICAL OXYGEN DEMAND - E410.1			**E410.1**				Analyst: **CJR**
Chemical Oxygen Demand	<MDL	5.79	15	U	mg/L	1	10/4/2007
NITRATE/NITRITE BY AUTO-ANALYZER			**E353.2**				Analyst: **HC**
Nitrogen, Nitrate-Nitrite	0.025	0.01	0.05	B	mg/L	1	9/27/2007
PH MEASUREMENT-WATER			**E150.1**				Analyst: **DH**
pH	6.2	0.083	0.1		SU	1	9/14/2007
CONDUCTIVITY			**A2510B**				Analyst: **DH**
Specific Conductivity	2240	0.422	1		µmhos/cm	1	9/14/2007
TOTAL CYANIDE BY DISTILLATION			**E335.2**				Analyst: **CJR**
Cyanide, Total	2.24	1.814	5	B	µg/L	1	9/17/2007

Review

Definitions:

B	Analyte detected below the CRQL	CRQL	Contract Required Quantitation Limit (ILMO6.X)
H	Holding times for preparation or analysis exceeded	MDL	Method Detection Limit
U	Not Detected at the Method Detection Limit (MDL)		

MSE Lab Services

Date: 13-Nov-07

CLIENT: Pioneer Technical Services
Client Sample ID: BSB-GW-04

Lab Order: 0709080
Collection Date: 9/18/2007 12:55:00 PM

Project: OLD LAMPRECLIDAPK TAILINGS

Lab ID: 0709080-004
Matrix: AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY			E300.0				Analyst: CLR
Chloride	0.4	0.04	5		mg/L	20	9/18/2007
Sulfate	1270	0.3	10		mg/L	20	9/18/2007
CHEMICAL OXYGEN DEMAND - E410.4			E410.4				Analyst: CLR
Chemical Oxygen Demand	<MDL	5.19	10	U	mg/L	1	10/4/2007
NITRATE/NITRITE BY AUTO-ANALYZER			E353.2				Analyst: HC
Nitrogen, Nitrate-Nitrite	0.023	0.01	0.05	B	mg/L	1	9/27/2007
PH MEASUREMENT-WATER			E150.1				Analyst: GH
pH	8.2	0.023	0.1		SU	1	9/14/2007
CONDUCTIVITY			A2510B				Analyst: GH
Specific Conductivity	2240	5.422	1		umhos/cm	1	9/14/2007
TOTAL CYANIDE BY DISTILLATION			E335.2				Analyst: CLR
Cyanide, Total	0.24	1.374	5	B	ug/L	1	9/17/2007

Qualifications:
B Analyte detected in the blank
H Holding times for preparation or analysis exceeded
U Not Detected at the Method Detection Limit (MDL)

CRQL Contract Required Quantitation Limit (ug/kg or ug/L)
MDL Method Detection Limit

Review

MSE Lab Services

Date: *13-Nov-07*

CLIENT: Pioneer Technical Services
Lab Order: 0709080
Project: OLD LANDFILL/CLARK TAILINGS
Lab ID: 0709080-005

Client Sample ID: BSB-GW-06
Collection Date: 9/10/2007 3:30:00 PM
Matrix: AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
245.1 MERCURY DISSOLVED-ARCO			**E245.1**	**E245.1**			Analyst: **KGJ**
Mercury	<MDL	0.0000149	0.0005	U	mg/L	1	10/4/2007
ICP-AES CLP ILMO6.X -DISSOLVED AQUEOUS M			**E200.7**	**E200.2**			Analyst: **CJR**
Antimony	<MDL	251.5	300	U	µg/L	5	10/3/2007
Barium	28.1	2.5	250	B	µg/L	5	10/3/2007
Chromium	<MDL	16	10	U	µg/L	1	10/8/2007
Iron	17400	69.825	1000		µg/L	5	10/3/2007
Nickel	<MDL	154.875	200	U	µg/L	5	10/3/2007
Vanadium	<MDL	18.89	125	U	µg/L	5	10/3/2007
Zinc	75200	77.235	300		µg/L	5	10/3/2007
ICP-MS ILMO6.X - DISSOLVED AQUEOUS METAL			**E200.8**	**E200.2**			Analyst: **SW**
Arsenic	91.7	0.43488112	1.5		µg/L	1	10/11/2007
Beryllium	0.482	0.05868277	0.25		µg/L	1	10/11/2007
Cadmium	17.2	0.02626129	0.1		µg/L	1	10/11/2007
Copper	1.18	0.41017302	1.25	B	µg/L	1	10/11/2007
Lead	0.299	0.04500425	0.2		µg/L	1	10/11/2007
Selenium	4.50	0.67904109	2		µg/L	1	10/11/2007
Silver	<MDL	0.36827811	1	U	µg/L	1	10/11/2007
Thallium	0.040	0.01877079	0.05	B	µg/L	1	10/11/2007
ANIONS BY ION CHROMATOGRAPHY			**E300.0**				Analyst: **CJR**
Chloride	57.9	0.94	5		mg/L	20	9/18/2007
Sulfate	828	0.5	10		mg/L	20	9/18/2007
NITRATE/NITRITE BY AUTO-ANALYZER			**E353.2**				Analyst: **HC**
Nitrogen, Nitrate-Nitrite	1.38	0.01	0.05		mg/L	1	9/27/2007
PH MEASUREMENT-WATER			**E150.1**				Analyst: **DH**
pH	6.5	0.083	0.1		SU	1	9/14/2007
CONDUCTIVITY			**A2510B**				Analyst: **DH**
Specific Conductivity	1870	0.422	1		µmhos/cm	1	9/14/2007

Review

Definitions:
- B Analyte detected below the CRQL
- H Holding times for preparation or analysis exceeded
- U Not Detected at the Method Detection Limit (MDL)
- CRQL Contract Required Quantitation Limit (ILMO6.X)
- MDL Method Detection Limit

MSE Lab Services

Date: 13-Nov-07

CLIENT:	Pioneer Technical Services	Client Sample ID:	BSB-GW-06
Lab Order:	0707020	Collection Date:	8/16/2007 3:30:00 PM
Project:	OLD LAMPHIL/CLARK TAILINGS		
Lab ID:	0707020-005	Matrix:	AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
245.1: MERCURY DISSOLVED-ARCO			E245.1				Analyst: KCL
Mercury	<MDL	0.00001149	0.0005	U	mg/L	1	10/4/2007
ICP-AES CLP ILMOA.X -DISSOLVED ADUSEOUS M			E200.7				Analyst: CLR
Antimony	<MDL	251.6	300	U	ug/L	5	10/3/2007
Barium	29.1	2.6	200	B	ug/L	5	10/3/2007
Chromium	<MDL	16	10	U	ug/L	1	10/3/2007
Iron	11400	65.435	1000		ug/L	5	10/3/2007
Nickel	<MDL	134.675	200	U	ug/L	5	10/3/2007
Vanadium	<MDL	18.65	120	U	ug/L	5	10/3/2007
Zinc	18300	77.293	300		ug/L	5	10/3/2007
ICP-MS ILMOA.X - DISSOLVED ADUSEOUS METAL			E200.8				Analyst: SW
Arsenic	91.7	0.4348112	1.5		ug/L	1	10/11/2007
Beryllium	0.465	0.0586227	0.25		ug/L	1	10/11/2007
Cadmium	12.2	0.0282129	0.1		ug/L	1	10/11/2007
Copper	1.16	0.4181730	1.25	B	ug/L	1	10/11/2007
Lead	0.299	0.0480028	0.2		ug/L	1	10/11/2007
Selenium	3.60	0.8790419	2		ug/L	1	10/11/2007
Silver	<MDL	0.3882791	1	U	ug/L	1	10/11/2007
Thallium	0.040	0.0192709	0.05	B	ug/L	1	10/11/2007
ANIONS BY ION CHROMATOGRAPHY			E300.0				Analyst: CLR
Chloride	27.8	0.34	5		mg/L	20	9/18/2007
Sulfate	329	0.5	10		mg/L	20	9/18/2007
NITRATE/NITRITE BY AUTO-ANALYZER			E353.2				Analyst: HC
Nitrogen, Nitrate-Nitrite	1.38	0.01	0.05		mg/L	1	9/27/2007
PH MEASUREMENT-WATER			E150.1				Analyst: DH
pH	8.5	0.083	0.1		SU	1	9/14/2007
CONDUCTIVITY			A2510B				Analyst: DH
Specific Conductivity	1610	0.122	1		µmhos/cm	1	9/14/2007

Review

Definitions: B - Analyte detected below the CRQL; CRQL - Contract Required Quantitation Limit (10/90 d)
H - Holding time for original analysis or analysis exceeded; MDL - Method Detection Limit
U - Not Detected at the Method Detection Limit (MDL)

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MSE Lab Services

Date: *13-Nov-07*

CLIENT: Pioneer Technical Services
Lab Order: 0709080
Project: OLD LANDFILL/CLARK TAILINGS
Lab ID: 0709080-006

Client Sample ID: BSB-GW-05
Collection Date: 9/10/2007 4:00:00 PM
Matrix: AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
245.1 MERCURY DISSOLVED-ARCO			**E245.1**	**E245.1**			Analyst: **KGJ**
Mercury	<MDL	0.0000149	0.0005	U	mg/L	1	10/4/2007
ICP-AES CLP ILMO6.X -DISSOLVED AQUEOUS M			**E200.7**	**E200.2**			Analyst: **CJR**
Antimony	<MDL	50.3	60	U	µg/L	1	10/3/2007
Barium	21.2	0.5	50	B	µg/L	1	10/3/2007
Chromium	<MDL	16	10	U	µg/L	1	10/8/2007
Iron	<MDL	13.965	200	U	µg/L	1	10/3/2007
Nickel	42.2	30.975	40		µg/L	1	10/3/2007
Vanadium	<MDL	3.778	25	U	µg/L	1	10/3/2007
Zinc	539	15.447	60		µg/L	1	10/3/2007
ICP-MS ILMO6.X - DISSOLVED AQUEOUS METAL			**E200.8**	**E200.2**			Analyst: **SW**
Arsenic	1.15	0.43488112	1.5	B	µg/L	1	10/11/2007
Beryllium	<MDL	0.05868277	0.25	U	µg/L	1	10/11/2007
Cadmium	0.873	0.02626129	0.1		µg/L	1	10/11/2007
Copper	6.43	0.41017302	1.25		µg/L	1	10/11/2007
Lead	0.234	0.04500425	0.2		µg/L	1	10/11/2007
Selenium	2.75	0.67904109	2		µg/L	1	10/11/2007
Silver	<MDL	0.36827811	1	U	µg/L	1	10/11/2007
Thallium	0.042	0.01877079	0.05	B	µg/L	1	10/11/2007
ANIONS BY ION CHROMATOGRAPHY			**E300.0**				Analyst: **CJR**
Chloride	29.5	0.94	5		mg/L	20	9/18/2007
Sulfate	1360	0.5	10		mg/L	20	9/18/2007
NITRATE/NITRITE BY AUTO-ANALYZER			**E353.2**				Analyst: **HC**
Nitrogen, Nitrate-Nitrite	0.250	0.01	0.05		mg/L	1	9/27/2007
PH MEASUREMENT-WATER			**E150.1**				Analyst: **DH**
pH	6.5	0.083	0.1	H	SU	1	11/8/2007
CONDUCTIVITY			**A2510B**				Analyst: **DH**
Specific Conductivity	2240	0.422	1	H	µmhos/cm	1	11/8/2007

Review

Definitions:
- B Analyte detected below the CRQL
- H Holding times for preparation or analysis exceeded
- U Not Detected at the Method Detection Limit (MDL)
- CRQL Contract Required Quantitation Limit (ILMO6.X)
- MDL Method Detection Limit

MSE Lab Services

Date: 13-Nov-07

CLIENT:	Pioneer Technical Services	Client Sample ID:	BSB-GW-05
Lab Order:	0709060	Collection Date:	9/10/2007 4:00:00 PM
Project:	OLD LANDFILL/CLARK TAILINGS		
Lab ID:	0709060-006	Matrix:	AQUEOUS

Analyses	Result	MDL	CRQL	Qualifier	Units	DF	Date Analyzed
245.1 MERCURY DISSOLVED-ARCO			E245.1	E245.1			Analyst: KGJ
Mercury	<MDL	0.0000149	0.0005	U	mg/L	1	10/4/2007
ICP-AES CLP ILM06.X - DISSOLVED AQUEOUS M			E200.7	E200.2			Analyst: CJR
Antimony	<MDL	50.3	60	U	µg/L	1	10/3/2007
Barium	21.2	0.5	50	U	µg/L	1	10/3/2007
Chromium	<MDL	16	10	U	µg/L	1	10/3/2007
Iron	<MDL	13.985	200	U	µg/L	1	10/3/2007
Nickel	42.2	28.875	40		µg/L	1	10/3/2007
Vanadium	<MDL	5.776	25	U	µg/L	1	10/3/2007
Zinc	375	15.447	60		µg/L	1	10/3/2007
ICP-MS ILM06.X - DISSOLVED AQUEOUS METAL			E200.8	E200.2			Analyst: SW
Arsenic	1.18	0.43468112	1.8	U	µg/L	1	10/11/2007
Beryllium	<MDL	0.05988277	0.25	U	µg/L	1	10/11/2007
Cadmium	0.875	0.02626129	0.1		µg/L	1	10/11/2007
Copper	8.43	0.41017202	1.25		µg/L	1	10/11/2007
Lead	0.234	0.04600429	0.2		µg/L	1	10/11/2007
Selenium	2.75	0.87986109	2		µg/L	1	10/11/2007
Silver	<MDL	0.30527311	1	U	µg/L	1	10/11/2007
Thallium	0.042	0.01977079	0.05	U	µg/L	1	10/11/2007
ANIONS BY ION CHROMATOGRAPHY			E300.0				Analyst: CJR
Chloride	29.5	0.84	5		mg/L	20	9/18/2007
Sulfate	1260	0.5	10		mg/L	20	9/18/2007
NITRATE/NITRITE BY AUTO-ANALYZER			E353.2				Analyst: HC
Nitrogen, Nitrate-Nitrite	0.250	0.01	0.05		mg/L	1	9/27/2007
PH MEASUREMENT-WATER			E150.1				Analyst: DH
pH	6.5	0.063	0.1	H	SU	1	11/5/2007
CONDUCTIVITY			A2510B				Analyst: DH
Specific Conductivity	2240	0.422	1	H	µmhos/cm	1	11/5/2007

Review

Definitions:
- B Analyte detected below the CRQL
- H Holding times for preparation or analysis exceeded
- U Not Detected at the Method Detection Limit (MDL)

CRQL Contract Required Quantitation Limit (ILM06.X)
MDL Method Detection Limit

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Date: 13-Nov-07
Report Date: 13-Nov-07

QA/QC SUMMARY REPORT

Client: Pioneer Technical Services
Project: OLD LANDFILL/CLARK TAILINGS
Work Order: 0709080
BatchID: 1230

Analyte	Result	CRQL	Units	Spike Lvl	% Rec	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Sample ID: ***1230-PB***			*Method:* ***E200.7***		*Batch ID:* ***1230***			*Analysis Date:* ***10/3/2007***		
Antimony	<MDL	60.0	µg/L							U
Barium	<MDL	50.0	µg/L							U
Iron	<MDL	200	µg/L							U
Nickel	<MDL	40.0	µg/L							U
Vanadium	<MDL	25.0	µg/L							U
Zinc	<MDL	60.0	µg/L							U
Sample ID: ***1230-HI LCS***			*Method:* ***E200.7***		*Batch ID:* ***1230***			*Analysis Date:* ***10/3/2007***		
Antimony	404	60.0	µg/L	400.0	101	80	120			
Barium	413	50.0	µg/L	400.0	103	80	120			
Iron	416	200	µg/L	400.0	104	80	120			
Nickel	401	40.0	µg/L	400.0	100	80	120			
Vanadium	403	25.0	µg/L	400.0	101	80	120			
Zinc	407	60.0	µg/L	400.0	102	80	120			
Sample ID: ***0709080-001D HI MS***			*Method:* ***E200.7***		*Batch ID:* ***1230***			*Analysis Date:* ***10/3/2007***		
Antimony	402	60.0	µg/L	400.0	101	75	125			
Barium	552	50.0	µg/L	400.0	104	75	125			
Iron	422	200	µg/L	400.0	105	75	125			
Nickel	406	40.0	µg/L	400.0	102	75	125			
Vanadium	417	25.0	µg/L	400.0	102	75	125			
Zinc	413	60.0	µg/L	400.0	103	75	125			
Sample ID: ***0709080-001D HI MSD***			*Method:* ***E200.7***		*Batch ID:* ***1230***			*Analysis Date:* ***10/3/2007***		
Antimony	407	60.0	µg/L	400.0	102	75	125	1.12	20	
Barium	553	50.0	µg/L	400.0	104	75	125	0.205	20	
Iron	424	200	µg/L	400.0	106	75	125	0.454	20	
Nickel	395	40.0	µg/L	400.0	98.7	75	125	2.85	20	
Vanadium	420	25.0	µg/L	400.0	103	75	125	0.831	20	
Zinc	416	60.0	µg/L	400.0	104	75	125	0.698	20	
Sample ID: ***1230-PB***			*Method:* ***E200.7***		*Batch ID:* ***1230***			*Analysis Date:* ***10/8/2007***		
Chromium	<MDL	10.0	µg/L							U
Sample ID: ***1230-HI LCS***			*Method:* ***E200.7***		*Batch ID:* ***1230***			*Analysis Date:* ***10/8/2007***		
Chromium	416	10.0	µg/L	400.0	104	80	120			
Sample ID: ***0709080-001D HI MS***			*Method:* ***E200.7***		*Batch ID:* ***1230***			*Analysis Date:* ***10/8/2007***		
Chromium	429	10.0	µg/L	400.0	107	75	125			
Sample ID: ***0709080-001D HI MSD***			*Method:* ***E200.7***		*Batch ID:* ***1230***			*Analysis Date:* ***10/8/2007***		
Chromium	425	10.0	µg/L	400.0	106	75	125	1.06	20	
Sample ID: ***1230-PB***			*Method:* ***E200.8***		*Batch ID:* ***1230***			*Analysis Date:* ***10/11/2007***		

Review

Qualifiers:

N/A	Sample concentration is greater than 4*spike level	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

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Date: 13-Nov-07
Report Date: 13-Nov-07

QA/QC SUMMARY REPORT

Client: Pioneer Technical Services
Project: OLD LANDFILL/CLARK TAILINGS
Work Order: 0709080
BatchID: 1230

Analyte	Result	CRQL	Units	Spike Lvl	% Rec	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Sample ID: ***1230-PB***			*Method:* ***E200.8***		*Batch ID:* ***1230***		*Analysis Date:* ***10/11/2007***			
Arsenic	<MDL	1.50	µg/L							U
Beryllium	<MDL	0.250	µg/L							U
Cadmium	<MDL	0.100	µg/L							U
Copper	<MDL	1.25	µg/L							U
Lead	0.058	0.200	µg/L							B
Selenium	<MDL	2.00	µg/L							U
Silver	<MDL	1.00	µg/L							U
Thallium	<MDL	0.050	µg/L							U
Sample ID: ***1230-LO LCS***			*Method:* ***E200.8***		*Batch ID:* ***1230***		*Analysis Date:* ***10/11/2007***			
Arsenic	36.7	1.50	µg/L	40.00	91.8	80	120			
Beryllium	47.7	0.250	µg/L	50.00	95.3	80	120			
Cadmium	4.94	0.100	µg/L	5.000	98.8	80	120			
Copper	242	1.25	µg/L	250.0	96.9	80	120			
Lead	19.4	0.200	µg/L	20.00	97.0	80	120			
Selenium	9.85	2.00	µg/L	10.00	98.5	80	120			
Silver	48.8	1.00	µg/L	50.00	97.7	80	120			
Thallium	47.7	0.050	µg/L	50.00	95.4	80	120			
Sample ID: ***0709080-001D LO MS***			*Method:* ***E200.8***		*Batch ID:* ***1230***		*Analysis Date:* ***10/11/2007***			
Arsenic	40.2	1.50	µg/L	40.00	96.6	70	130			
Beryllium	50.8	0.250	µg/L	50.00	102	70	130			
Cadmium	5.10	0.100	µg/L	5.000	102	70	130			
Copper	245	1.25	µg/L	250.0	97.7	70	130			
Lead	20.3	0.200	µg/L	20.00	100	70	130			
Selenium	12.6	2.00	µg/L	10.00	102	70	130			
Silver	49.4	1.00	µg/L	50.00	98.7	70	130			
Thallium	46.7	0.050	µg/L	50.00	93.5	70	130			
Sample ID: ***0709080-001D LO MSD***			*Method:* ***E200.8***		*Batch ID:* ***1230***		*Analysis Date:* ***10/11/2007***			
Arsenic	40.0	1.50	µg/L	40.00	96.0	70	130	0.612	20	
Beryllium	50.9	0.250	µg/L	50.00	102	70	130	0.117	20	
Cadmium	5.18	0.100	µg/L	5.000	104	70	130	1.59	20	
Copper	247	1.25	µg/L	250.0	98.5	70	130	0.828	20	
Lead	20.2	0.200	µg/L	20.00	99.7	70	130	0.517	20	
Selenium	12.0	2.00	µg/L	10.00	96.7	70	130	4.48	20	
Silver	49.9	1.00	µg/L	50.00	99.8	70	130	1.13	20	
Thallium	48.0	0.050	µg/L	50.00	96.0	70	130	2.70	20	

mm **Review**

Qualifiers:

N/A	Sample concentration is greater than 4*spike level	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

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Report Date: 13-Nov-07

QA/QC SUMMARY REPORT

Client: Pioneer Technical Services
Project: E/D LANDFILL/LIBRARY TAILINGS
Work Order: 070080
Batch ID: 1230

Analyte	Result	QAQC	Units	Spike Lvl	% Rec	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Sample ID: 1230-MB				Method: E200.8		Batch ID: 1230			Analysis Date: 10/17/2007	
Arsenic		<MDL	1.50	ug/L						U
Cadmium		<MDL	0.250	ug/L						U
Chromium		<MDL	0.100	ug/L						U
Copper		<MDL	1.25	ug/L						U
Lead			0.659	0.500	ug/L					B
Selenium		<MDL	2.00	ug/L						U
Silver		<MDL	1.00	ug/L						U
Thallium		<MDL	0.050	ug/L						U
Sample ID: 1230-LCS				Method: E200.8		Batch ID: 1230			Analysis Date: 10/17/2007	
Arsenic		39.7	1.50	ug/L	40.00	99.3	85	120		
Cadmium		47.7	0.250	ug/L	50.00	95.3	85	120		
Chromium		4.84	0.100	ug/L	5.000	96.8	85	120		
Copper		242	1.25	ug/L	250.0	96.7	85	120		
Lead		19.4	0.500	ug/L	20.00	97.0	85	120		
Selenium		9.24	2.00	ug/L	10.00	92.4	85	120		
Silver		48.9	1.00	ug/L	50.00	97.7	85	120		
Thallium		47.1	0.050	ug/L	50.00	94.1	85	120		
Sample ID: 070080-001D L.C.S MS				Method: E200.8		Batch ID: 1230			Analysis Date: 10/17/2007	
Arsenic		40.2	1.50	ug/L	40.00	99.6	70	125		
Cadmium		50.8	0.250	ug/L	50.00	102	70	130		
Chromium		5.10	0.100	ug/L	5.000	102	70	130		
Copper		246	1.25	ug/L	250.0	97.7	70	130		
Lead		20.2	0.500	ug/L	20.00	100	70	130		
Selenium		12.6	2.00	ug/L	10.00	102	70	130		
Silver		46.4	1.00	ug/L	50.00	92.7	70	130		
Thallium		46.7	0.050	ug/L	50.00	93.3	70	130		
Sample ID: 070080-001D L.C.S MSD				Method: E200.8		Batch ID: 1230			Analysis Date: 10/17/2007	
Arsenic		40.0	1.50	ug/L	40.00	99.9	70	130	0.672	20
Cadmium		50.9	0.250	ug/L	50.00	102	70	130	0.117	20
Chromium		5.14	0.100	ug/L	5.000	103	70	130	1.88	20
Copper		247	1.25	ug/L	250.0	98.8	70	130	0.824	20
Lead		20.2	0.500	ug/L	20.00	99.7	70	130	0.317	20
Selenium		12.7	2.00	ug/L	10.00	98.7	70	130	4.49	20
Silver		46.0	1.00	ug/L	50.00	92.0	70	130	1.12	20
Thallium		46.0	0.050	ug/L	50.00	92.0	70	130	2.20	20

Qualifiers:

MDL	Sample concentration is greater than 4 times the method blank	R	RPD exceeds accepted recovery limits
		S	Spike Recovery exceeds accepted recovery limits

Review

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Date: 13-Nov-07
Report Date: 13-Nov-07

QA/QC SUMMARY REPORT

Client: Pioneer Technical Services
Project: OLD LANDFILL/CLARK TAILINGS

Work Order: 0709080
BatchID: 1238

Analyte	Result	CRQL	Units	Spike Lvl	% Rec	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Sample ID: ***1238-PB***			*Method:* ***E245.1***		*Batch ID:* ***1238***			*Analysis Date:*	***10/4/2007***	
Mercury	<MDL	0.0005	mg/L							U
Sample ID: ***LCS-1238***			*Method:* ***E245.1***		*Batch ID:* ***1238***			*Analysis Date:*	***10/4/2007***	
Mercury	0.0067	0.0005	mg/L	0.007000	95.4	80	120			
Sample ID: ***0709080-001D-MS***			*Method:* ***E245.1***		*Batch ID:* ***1238***			*Analysis Date:*	***10/4/2007***	
Mercury	0.0011	0.0005	mg/L	0.001000	107	70	130			
Sample ID: ***0709080-001D-MSD***			*Method:* ***E245.1***		*Batch ID:* ***1238***			*Analysis Date:*	***10/4/2007***	
Mercury	0.0011	0.0005	mg/L	0.001000	106	70	130	0.527	20	

MM **Review**

Qualifiers:

N/A	Sample concentration is greater than 4*spike level	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

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Report Date: 13-Nov-07

QA/QC SUMMARY REPORT

Client: Pioneer Technical Services
Project: OLD LANDFILL/CLARK TAILINGS
Work Order: 0709080
BatchID: R4633

Analyte	Result	CRQL	Units	Spike Lvl	% Rec	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Sample ID: ***0709080-001A D***			*Method:* ***E150.1***		*Batch ID:* ***R4633***			*Analysis Date:*	***9/14/2007***	
pH	7.3	0.1	SU					0	20	
Sample ID: ***CCV***			*Method:* ***E150.1***		*Batch ID:* ***R4633***			*Analysis Date:*	***9/14/2007***	
pH	5.5	0.1	SU	5.400	103	90	110			
Sample ID: ***CCB***			*Method:* ***E150.1***		*Batch ID:* ***R4633***			*Analysis Date:*	***9/14/2007***	
pH	7.2	0.1	SU							
Sample ID: ***0709080-001A D***			*Method:* ***A2510B***		*Batch ID:* ***R4633***			*Analysis Date:*	***9/14/2007***	
Specific Conductivity	807	1	µmhos/cm					0.124	20	
Sample ID: ***CCV***			*Method:* ***A2510B***		*Batch ID:* ***R4633***			*Analysis Date:*	***9/14/2007***	
Specific Conductivity	453	1	µmhos/cm	458.0	98.9	90	110			
Sample ID: ***CCB***			*Method:* ***A2510B***		*Batch ID:* ***R4633***			*Analysis Date:*	***9/14/2007***	
Specific Conductivity	<MDL	1	µmhos/cm							U

hm **Review**

Qualifiers:

N/A	Sample concentration is greater than 4*spike level	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

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QA/QC SUMMARY REPORT

Client: Pioneer Technical Services
Project: OLD LANDFILL/CLARK TAILINGS

Work Order: 0709080
BatchID: R4678

Analyte	Result	CRQL	Units	Spike Lvl	% Rec	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Sample ID: ***0709080-001B-D***			*Method:* ***E335.2***		*Batch ID:* ***R4678***			*Analysis Date:*	***9/17/2007***	
Cyanide, Total	<MDL	5.00	µg/L					0	20	U
Sample ID: ***0709080-001B-S***			*Method:* ***E335.2***		*Batch ID:* ***R4678***			*Analysis Date:*	***9/17/2007***	
Cyanide, Total	98.96	5.00	µg/L	100.0	99.1	75	125			
Sample ID: ***LFB WC1595***			*Method:* ***E335.2***		*Batch ID:* ***R4678***			*Analysis Date:*	***9/17/2007***	
Cyanide, Total	101.4	5.00	µg/L	100.0	101	80	120			
Sample ID: ***LCS WC1594***			*Method:* ***E335.2***		*Batch ID:* ***R4678***			*Analysis Date:*	***9/17/2007***	
Cyanide, Total	97.75	5.00	µg/L	100.0	97.8	80	120			
Sample ID: ***BLANK***			*Method:* ***E335.2***		*Batch ID:* ***R4678***			*Analysis Date:*	***9/17/2007***	
Cyanide, Total	<MDL	5.00	µg/L							U

Review

Qualifiers:

N/A	Sample concentration is greater than 4*spike level	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

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Report Date: 13-Nov-07

QA/QC SUMMARY REPORT

Client: Pioneer Technical Services
Project: OLD LANDFILL/CLARK TAILINGS
Work Order: 0709080
BatchID: R4690

Analyte	Result	CRQL	Units	Spike Lvl	% Rec	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Sample ID: ***0709080-001AD***			*Method:* ***E300.0***		*Batch ID:* ***R4690***			*Analysis Date:*	***9/18/2007***	
Chloride	56.1	1.25	mg/L					0.278	20	
Sulfate	145	2.50	mg/L					0.521	20	
Sample ID: ***0709080-001ALFM***			*Method:* ***E300.0***		*Batch ID:* ***R4690***			*Analysis Date:*	***9/18/2007***	
Chloride	106	1.25	mg/L	50.00	99.2	80	120			
Sulfate	253	2.50	mg/L	100.0	109	80	120			
Sample ID: ***LRB***			*Method:* ***E300.0***		*Batch ID:* ***R4690***			*Analysis Date:*	***9/18/2007***	
Chloride	<MDL	0.250	mg/L							U
Sulfate	<MDL	0.500	mg/L							U
Sample ID: ***LFB#946 9/13/07***			*Method:* ***E300.0***		*Batch ID:* ***R4690***			*Analysis Date:*	***9/18/2007***	
Chloride	9.47	0.250	mg/L	10.00	94.7	90	110			
Sulfate	18.4	0.500	mg/L	20.00	92.1	90	110			

Review

Qualifiers:

N/A	Sample concentration is greater than 4*spike level	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

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Report Date: 13-Nov-07

QA/QC SUMMARY REPORT

Client: Pioneer Technical Services
Project: OLD LANDFILL/CLARK TAILINGS

Work Order: 0709080
BatchID: R4761

Analyte	Result	CRQL	Units	Spike Lvl	% Rec	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Sample ID: ***0709076-001A R***			*Method:* ***E353.2***		*Batch ID:* ***R4761***			*Analysis Date:*	***9/27/2007***	
Nitrogen, Nitrate-Nitrit	0.702	0.050	mg/L					5.14	20	
Sample ID: ***0709076-001A S***			*Method:* ***E353.2***		*Batch ID:* ***R4761***			*Analysis Date:*	***9/27/2007***	
Nitrogen, Nitrate-Nitrit	5.11	0.050	mg/L	4.762	91.9	75	125			
Sample ID: ***LCS***			*Method:* ***E353.2***		*Batch ID:* ***R4761***			*Analysis Date:*	***9/27/2007***	
Nitrogen, Nitrate-Nitrit	4.82	0.050	mg/L	5.205	92.6	80	120			
Sample ID: ***LRB***			*Method:* ***E353.2***		*Batch ID:* ***R4761***			*Analysis Date:*	***9/27/2007***	
Nitrogen, Nitrate-Nitrit	0.025	0.050	mg/L							B

MM **Review**

Qualifiers:

N/A	Sample concentration is greater than 4*spike level	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

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QA/QC SUMMARY REPORT

Client: Pioneer Technical Services
Project: OLD LANDFILL/CLARK TAILINGS
Work Order: 0709080
BatchID: R4859

Analyte	Result	CRQL	Units	Spike Lvl	% Rec	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Sample ID: ***0709080-001C-D***			*Method:* ***E410.1***		*Batch ID:* ***R4859***			*Analysis Date:*	***10/4/2007***	
Chemical Oxygen De	<MDL	15.0	mg/L					0	20	U
Sample ID: ***0709080-001C-S***			*Method:* ***E410.1***		*Batch ID:* ***R4859***			*Analysis Date:*	***10/4/2007***	
Chemical Oxygen De	102	15.0	mg/L	100.0	94.2	75	125			
Sample ID: ***LFB Q5180***			*Method:* ***E410.1***		*Batch ID:* ***R4859***			*Analysis Date:*	***10/4/2007***	
Chemical Oxygen De	95.8	15.0	mg/L	100.0	95.8	80	120			
Sample ID: ***LCS WC1558 @ 6.67X***			*Method:* ***E410.1***		*Batch ID:* ***R4859***			*Analysis Date:*	***10/4/2007***	
Chemical Oxygen De	154	15.0	mg/L	150.0	103	80	120			
Sample ID: ***BLANK***			*Method:* ***E410.1***		*Batch ID:* ***R4859***			*Analysis Date:*	***10/4/2007***	
Chemical Oxygen De	<MDL	15.0	mg/L							U

Review

Qualifiers:

N/A	Sample concentration is greater than 4*spike level	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

MSE Analytical Laboratory
P.O. Box 4078
2[illegible] Technology Way
Butte, MT 59701
Lab: 406-494-7334
Fax: 406-494-7230
labinfo@mse-ta.com

Date: 13-Nov-07
Report Date: 13-Nov-07

QA/QC SUMMARY REPORT

Client: Pioneer Technical Services
Project: OLD LANDFILL/CLARK TAILINGS

Work Order: 0709080
BatchID: R5159

Analyte	Result	CRQL	Units	Spike Lvl	% Rec	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Sample ID: ***0709080-006A DUP***			*Method:* ***E150.1***		*Batch ID:* ***R5159***			*Analysis Date:* ***11/8/2007***		
pH	6.6	0.1	SU							H
Sample ID: ***CCV***			*Method:* ***E150.1***		*Batch ID:* ***R5159***			*Analysis Date:* ***11/8/2007***		
pH	5.4	0.1	SU	5.400	101	90	110			
Sample ID: ***CCB***			*Method:* ***E150.1***		*Batch ID:* ***R5159***			*Analysis Date:* ***11/8/2007***		
pH	6.4	0.1	SU							
Sample ID: ***0709080-006A DUP***			*Method:* ***A2510B***		*Batch ID:* ***R5159***			*Analysis Date:* ***11/8/2007***		
Specific Conductivity	2240	1	µmhos/cm							H
Sample ID: ***CCV***			*Method:* ***A2510B***		*Batch ID:* ***R5159***			*Analysis Date:* ***11/8/2007***		
Specific Conductivity	464	1	µmhos/cm	458.0	101	90	110			
Sample ID: ***CCB***			*Method:* ***A2510B***		*Batch ID:* ***R5159***			*Analysis Date:* ***11/8/2007***		
Specific Conductivity	ND	1	µmhos/cm							

Review

Qualifiers:

N/A	Sample concentration is greater than 4*spike level	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

Atlantic Richfield Company
bp
A BP affiliated company

Chain of Custody Record

164563

Project Name: OLD Landfill / Clarks Tailings
BP BU/AR Region/Enfos Segment:
State or Lead Regulatory Agency: MDEQ
Requested Due Date (mm/dd/yy):

Page 1 of 1

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions: See Logbook	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: MSE-TA, Inc	BP/AR Facility No.:	Consultant/Contractor: Pioneer Technical Services
Address: 200 Technology Way Butte, Mt 59701	BP/AR Facility Address:	Address: 63 1/2 W. Broadway Butte, Mt 59701
	Site Lat/Long:	
Lab PM: Marcee Cameron	California Global ID No.:	Consultant/Contractor Project No.: 11015 027001
Tele/Fax:	Enfos Project No.:	Consultant/Contractor PM: Shawn Bisch
BP/AR EBM:	Provision or OOC (circle one)	Tele/Fax: 406-563-9371
Address: 313 Anaconda Road Butte, Mt 59701	Phase/WBS:	Report Type & QC Level: CLP
	Sub Phase/Task:	E-mail EDD To: bhollamon@pioneer-tech.com
Tele/Fax:	Cost Element:	Invoice to: Consultant or BP or Atlantic Richfield Co. (circle one)

Lab Bottle Order No:

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No. 0709080	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3, Filt	Preservative: HCl	Preservative: Methanol	Requested Analysis: Dn-* See List	Requested Analysis: pH, SC, Cl, SO_4^{2-}	Sample Point Lat/Long and Comments
1	BSB-GW-01	1255	9/10/07		✓		001A001D	1			✓			✓	✗	*Sb, As, Ba, Be, Cd, Cr
2	BSB-GW-06	1530	↓		✓		005 A, B	2	✓		✓			✓	✓	Cu, Fe, Pb, Hg, Ni, Se
3	BSB-GW-05	1600	↓		✓		006 A, B	2	✓		✓			✓	✓	Ag, Tl, V, Zn
4																
5																
6																
7																
8																
9																
10																

		Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Julie Flammang							
Sampler's Company: Pioneer Technical Services		Julie Flammang / PTS	9/11/07	1120	Marcee Cameron / MSE	9/11	112
Shipment Date: 9/11/07							
Shipment Method: Hand Delivered							
Shipment Tracking No:							

Special Instructions:

Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 25°F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

Laboratory

BP COC Rev. 5 10/11/2006

rcvd in cooler / no ice

Atlantic Richfield Company

A BP affiliated company

Chain of Custody Record

164563

Project Name: OLD LANDFILL/Clean Technologies

BP/ARCO Region/Sales Segment: NORCO

State or Lead Regulatory Agency: Requested Due Date (mm/dd/yy):

Page 1 of 1

Sample Date: 7/29/91 Time: 1400

Sampling Company: Clean Technologies

Sampling Person: Mark Hoobsk

Sampling Equipment: Sample Type: Grab

Water Level: Purge Volume: Purge Method: Purge Rate:

Sampling Comments:

Sampler Name: Clean Technologies Address: 1210 Lincoln Ave Suite 1 Calistoga, CA 94515

Contact Person: Mark Hoobsk Telephone: 707-942-5141

Consultant Company: Alton Geoscience Address: 1000 Broadway Suite 1 Oakland, CA 94607

Project Name: OLD LANDFILL/Clean Technologies

Project Number: 164563

Project Manager: Chandra

Sampler: Mark Hoobsk

Date: 7/29/91

Analysis Requested: BTEX

Address: 315 Bonnie Ln Calistoga, CA 94515

Date: 7/29/91

Lab Name: Alpha Analytical Laboratory

Address: 1320 Stewart Drive Suite C Sunnyvale, CA 94086

Telephone: 408-735-7577

Lab Work Order No.: 9107-0576

Lab Sample Order No.: 9107-0576

Item No.	Sample Description	Sample Date	Sample Time	Matrix: Water	Matrix: Soil	Matrix: Other	Laboratory Sample No.	Preservative: Unpreserved	Preservative: Na2S2O3	Preservative: HCl	Preservative: Other	Requested Analysis: BTEX	Requested Analysis: Total Lead	Requested Analysis: Total Petroleum Hydrocarbons	Requested Analysis: Total Petroleum Hydrocarbons - Gas	Requested Analysis:	Requested Analysis:	Requested Analysis:	Requested Analysis:	Requested Analysis:	Sample Preparation and Analysis Comments
1	MW-Clean-01	7/29	1400	✓			9107-0576-1	1				X			X						*Sample Bottle Cracked During Transport to Lab
2	MW-Clean-02	7/29		↓			9107-0576-2	1				X			X						
3	TMW-Clean-05	1400		↓			9107-0576-3	1				X			X						
4																					
5																					
6																					
7																					
8																					
9																					
10																					

Sampler's Name: Clean Technologies

Sampler's Company: Clean Technologies

Shipment Date: 7/30/91

Shipment Method: Hand Delivered

Shipment Tracking No.:

Special Instructions:

Relinquished By / Affiliation	Date	Time	Received By / Affiliation	Date	Time
Clean Tech / CTS	7/30/91	1120	Alpha Analytical Laboratory / ARCO	7/31/91	1120

Custody Seals in Place: Yes No | Temp Blank: Yes No | Cooler Temp in Degrees C: 2-15 | Trip Blank: Yes No | MS/MSD Sample Submitted: Yes No

PIONEER TECHNICAL SERVICES, INC.
CHAIN OF CUSTODY

Project Code	Project Name
7002-000	Old Landfill / Clark Tailings

SAMPLERS (Signature): Julie Flammang

ANALYSIS REQUESTED: RAW A; TOTAL CYANIDE

SAMPLE IDENTIFICATION		SAMPLED DATE	SAMPLED TIME	pH, Sp, Cl, SO4-2	NO3/NO3	COD	CN					Remarks
BSB-GW-01	0709080-001ABC	9/10/07	1430	✓	✓	✓	✓					Report to: Brad Hollamon
BSB-GW-02	002A,BC	↓	1200	✓	✓	✓	✓					Pioneer Technical Services
BSB-GW-03	003ABC	↓	1330	✓	✓	✓	✓					
BSB-GW-04	004ABC	↓	1255	✓	✓	✓	✓					

Relinquished by (Sign.)	Date	Time	Received by (Sign.)	Relinquished by (Sign.)	Date	Time	Received by (Sign.)
Julie Flammang	9/11/07	1120	[signature]				
Relinquished by (Sign.)	Date	Time	Received by (Sign.)	Relinquished by (Sign.)	Date	Time	Received by (Sign.)
Relinquished by (Sign.)	Date	Time	Recieved for Lab by (Sign.)	Date	Time		

Remarks

Invoice to: Gary Keeler
BSB Public Works Dept
126 W Granite
Butte, MT 59701
406 497 6515

PIONEER TECHNICAL SERVICES, INC.
PIONEER TECHNICAL SERVICES, INC.
63 1/2 W. Broadway
P.O. Box 3445
Butte, MT 59702
Phone: (406) 782-5177
FAX: (406) 782-5866

PIONEER TECHNICAL SERVICES, INC.
CHAIN OF CUSTODY

Project Code: 700-3-000
Project Name: IOWA 491 Dixie Tank Farm
SAMPLERS (Signature): Justin Fluckinger

SAMPLE IDENTIFICATION	SAMPLED DATE	SAMPLED TIME	ANALYSIS REQUESTED	Remarks
BSB-GW-01	8/16/07	1400		Report to: Brad Nelson
BSB-GW-02	DATA	1500		Burner Technical Services
BSB-GW-03	DATA	1530		
BSB-GW-04	DATA	1555		

Relinquished by (Sign.)	Date Time	Received by (Sign.)	Relinquished by (Sign.)	Date Time	Received by (Sign.)
Justin Fluckinger					

Relinquished by (Sign.)	Date Time	Received by (Sign.)	Relinquished by (Sign.)	Date Time	Received by (Sign.)

Relinquished by (Sign.)	Date Time	Received for Lab by (Sign.)	Date Time	Remarks
				Transmit to Gary Keeler EDD Table works Dept Fax to Graniite Bulk Mt 5701 Dixie Tank Farms

PIONEER TECHNICAL SERVICES, INC.
PIONEER TECHNICAL SERVICES, INC.
17 CR 8 Bowling
P.O. Box 1442
Alma, MI 48801
Alma (989) 463-1151
Fax (989) 463-5564

MSE Lab Services

Sample Receipt Checklist

Client Name: **PTS-BUTTE**

Date and Time Received: **9/11/2007 3:42:17 PM**

Work Order Number **0709080** RcptNo: **1**

Received by: **MC**

COC_ID: CoolerID:

Checklist completed by [signature] 9-11-07 (Signature / Date)

Reviewed by [initials] 9/13/07 (Initials / Date)

Matrix: Carrier name: Hand-Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☑	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Blank ☐

Adjusted? NO Checked by RO 9/12/07

Any No and/or NA (not applicable) response must be detailed in the comments section bel

Client contacted: Date contacted: Person contacted

Contacted by: Regarding:

Comments: REC'D IN COOLER/NO ICE. TEMP=2.50C

Corrective Action

PIONEER TECHNICAL SERVICES, INC.
CHAIN OF CUSTODY

Project Code	Project Name
7002.000	Old Landfill / Clark Tailings

SAMPLERS (Signature) Julie Flammang

SAMPLE IDENTIFICATION	SAMPLED DATE	SAMPLED TIME	PH, SO4, Cl, SO4-2	NO2/NO3	COD	CN-					Remarks
BSB-GW-01	9/10/07	1430	✓	✓	✓	✓					Report to: Brad Hollamon, Pioneer Technical Services
BSB-GW-02	↓	1200	✓	✓	✓	✓					
BSB-GW-03	↓	1330	✓	✓	✓	✓					
BSB-GW-04	↓	1255	✓	✓	✓	✓					
~~BSB-GW-05~~ F	F										
~~BSB-GW-06~~ F	F										

Relinquished by (Sign.)	Date Time	Received by (Sign.)	Relinquished by (Sign.)	Date Time	Received by (Sign.)
Julie Flammang	9/11/07 1120	[signature]			
Relinquished by (Sign.)	Date Time	Received by (Sign.)	Relinquished by (Sign.)	Date Time	Received by (Sign.)
Relinquished by (Sign.)	Date Time	Recieved for Lab by (Sign.)	Date Time		

Remarks
Invoice to: Gary Keeler
BSB Public Works Dept
126 W. Granite
Butte MT 59701
406-497-6515

PIONEER TECHNICAL SERVICES, INC.
PIONEER TECHNICAL SERVICES, INC.
63 1/2 W. Broadway
P.O. Box 3445
Butte, MT 59702
Phone: (406) 782-5177
FAX: (406) 782-5866

PIONEER TECHNICAL SERVICES, INC.

CHAIN OF CUSTODY

Relinquished by (sign)	Date Time	Received by (sign)	Relinquished by (sign)	Date Time	Received by (sign)

Relinquished by (sign)	Date Time	Received for Lab by (sign)	Date Time	Remarks

SAMPLE IDENTIFICATION	DATE	TIME	SAMPLED BY	ANALYSIS REQUESTED	Remarks
B28-GW-01		1400			
B28-GW-02		1500			
B28-GW-03		1530			
B28-GW-04		1600			
B28-GW-05		1630			
B28-GW-06		1700			
B28-GW-07		1730			

SAMPLERS (signature)

Project Code | Project Name

Atlantic Richfield Company
bp
A BP affiliated company

Chain of Custody Record

164563

Project Name: OLD Landfill / Clark Tailings
BP BU/AR Region/Enfos Segment:
State or Lead Regulatory Agency: MDEQ
Requested Due Date (mm/dd/yy):

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: MSE TA Inc	BP/AR Facility No.:	Consultant/Contractor: Pioneer Technical Services
Address: 200 Technology Way	BP/AR Facility Address:	Address: 6340 W Broadway
Butte, MT 59701	Site Lat/Long:	Butte, MT 59701
Lab PM: Marcee Cameron	California Global ID No.:	Consultant/Contractor Project No.: 11015-59701
Tele/Fax:	Enfos Project No.:	Consultant/Contractor PM: Sharon Bisch
BP/AR EBM:	Provision or OOC (circle one)	Tele/Fax: 406-563-9371
Address: 313 Anaconda Road	Phase/WBS:	Report Type & QC Level: CLP
Butte, MT 59701	Sub Phase/Task:	E-mail EDD To: hhollamon@pioneertech.com
Tele/Fax:	Cost Element:	Invoice to: Consultant or BP or Atlantic Richfield Co. (circle one)

Lab Bottle Order No:

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air		Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol		Requested Analysis: Dm * Sec	Requested Analysis: Phase, Cl, Fl									Sample Point Lat/Long and Comments
1	BSB-GW-01	1255	9/6/07		✓				1			✓				✓	✓	✓								*Sb, As, Ba, Be, Cd, Cr
2	BSB-GW-06	1530	↓		✓				2	✓		✓				✓	✓									Cu, Fe, Pb, Hg, Ni, Se
3	BSB-GW-05	1600	↓		✓				2	✓		✓				✓	✓									Ag, Tl, V, Zn
4																										
5																										
6																										
7																										
8																										
9																										
10																										

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Julie Flammang						
Sampler's Company: Pioneer Technical Services	Julie Flammang/PTS	9/11/07	1120	Marcee Cameron / MSE	9/11	1120
Shipment Date: 9/11/07						
Shipment Method: Hand Delivered						
Shipment Tracking No:						

Special Instructions:

Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 2.5 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

Consultant/Contractor

BP COC Rev. 5 10/11/2006

Instructions for Completing Chain Of Custody

AR = Atlantic Richfield Company, a BP affiliated company

Page ___ of ___ *(Self explanatory)*

Project Name *(Assigned by BP/AR and provided to Laboratory by BP/AR or the Consultant/Contractor, whoever is completing the COC)*
BP BU/AR Region/Enfos Segment *(BP Business Unit or the AR Region [e.g., East Coast, Midwest, West Coast] and the Enfos Segment [e.g., Retail, Refining, OBC Mining])*
State or Lead Regulatory Agency *(State samples were collected in or lead regulatory agency especially where state or agency has specific laboratory requirements)*
Requested Due Date (mm/dd/yy) *(The date data is required – if fast turn is required the lab should be notified in advance to insure their capability to meet deadline)*
On-site Time and Temperature *(Self explanatory)*
Off-site Time and Temperature *(Self explanatory)*
Sky Conditions *(Clear, Partly Cloudy, Overcast)*
Meteorological Events *(Thunderstorms, Rain, Hail, Sleet, Snow, etc.)*
Wind Speed *(Approximate speed – mph or knots)* **Direction** *(The direction from which the wind is blowing)*

Lab Name *(Self explanatory)*
Lab Address *(Self explanatory – please include city, state and zip)*
Lab PM *(Laboratory project manager or primary contact)*
Tele/Fax: *(Lab telephone and fax numbers)*

BP/AR EBM *(EBM or project manager)*
Address *(Self explanatory – please include city, state and zip)*
Tele/Fax *(BP/AR PM telephone and fax numbers)*

BP/AR Facility No. *(Self explanatory)*
BP/AR Facility Address *(Self explanatory – please include city, state and zip)*
Site Lat/Long *(Latitude and longitude of site [include datum] / as required by regulatory agencies)*
California Global ID Mo. (Specific requirement for California Retail sites)
Enfos Project No. *(Self explanatory)*
Provision or OOC *(Circle one)*
Phase/WBS *(Enfos Phase or Work Breakdown Structure)*
Sub Phase/Task *(Enfos Sub Phase and Task)*
Cost Element *(Enfos Cost Element)*

Consultant/Contractor *(Consultant/contractor company name)*
Address *(Self explanatory – please include city, state and zip)*
Consultant/Contractor Project No. *(Number used by consultant for project)*
Consultant/Contractor PM (Consultant/contractor project manager)
Tele/Fax *(Consultant/contractor's telephone and fax numbers)*
Report Type and QC Level *(As stated in DQOs for project)*
E-mail EDD To *(Consultant must provide e-mail address when e-mail deliverable is required)*
Invoice to: Consultant/Contractor or BP or Atlantic Richfield Co. *(Circle company that invoice should be sent to)*

Lab Bottle Order Number *(Number on laboratory bottle order sheet)*

Sample Description *(Sample name, number, or other identification)*
Time and Date *(Time and date sample was collected - must be completed)*
Matrix *(Check appropriate box to indicate sample matrix)*
Laboratory No. *(Filled in at lab by lab personnel)*
No. of Containers *(Number of sample containers containing this sample)*
Preservative *(Check sample preservation or fill in blank if an unlisted preservative is used)*
Requested Analysis *(Enter and check requested analyses for each sample)*
Sample Point Lat/Long and Comments *(Latitude and longitude [include datum] as required by regulatory agencies, or other pertinent information about sample such as "on hold" or special reporting limits)*

Sampler's Name (Sampler's first and last name)
Samplers Company *(Self explanatory)*
Shipment Date *(Actual date of shipment if samples are shipped)*
Shipment Method *(FedEx, UPS, Greyhound, Slow Boat, etc.)*
Shipment Tracking No. *(Shipping number from lading ticket or air bill)*
Relinquished By / Affiliation *(Signature and company of person relinquishing custody of samples)*
Date and Time *(Date and time samples are relinquished)*
Accepted By / Affiliation *(Signature and company of person accepting custody of samples)*
Date and Time *(Date and time samples are accepted)*
Special Instructions *(Information as necessary such as special reporting limits [e.g., NPDES] that apply to all samples, etc.)*

Custody Seals, Temp Blank, Cooler Temp on Receipt, Trip Blank, MS/MSD Sample Submitted *(Laboratory personnel must complete this information upon receipt of samples)*

ENERGY LABORATORIES, INC. • P.O. Box 30916 • 1120 South 27th Street • Billings, MT 59107-0916
800-735-4489 • 406-252-6325 • 406-252-6069 fax • eli@energylab.com

LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings
Lab ID: B07090939-001
Client Sample ID: BSB-GW-01

Report Date: 09/26/07
Collection Date: 09/10/07 14:30
DateReceived: 09/12/07
Matrix: Ground Water

MBMG-2

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	09/21/07 15:20 / sbd
Acetonitrile	ND	ug/L		20		SW8260B	09/21/07 15:20 / sbd
Acrolein	ND	ug/L		20		SW8260B	09/21/07 15:20 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	09/21/07 15:20 / sbd
Allyl chloride	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
Benzene	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
Chloroform	0.46	ug/L	J	1.0		SW8260B	09/21/07 15:20 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
Chloroprene	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	09/21/07 15:20 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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800-735-4489 • 406-2[illegible]325 • 406-252-6069 fax • eli@energylab.com

LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings
Lab ID: B07090939-001
Client Sample ID: BSB-GW-01

Report Date: 09/26/07
Collection Date: 09/10/07 14:30
DateReceived: 09/12/07
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Isobutanol	ND	ug/L		50		SW8260B	09/21/07 15:20 / sbd
Methacrylonitrile	ND	ug/L		20		SW8260B	09/21/07 15:20 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	09/21/07 15:20 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	09/21/07 15:20 / sbd
Methyl methacrylate	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
Naphthalene	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
Pentachloroethane	ND	ug/L		2.0		SW8260B	09/21/07 15:20 / sbd
Propionitrile	ND	ug/L		20		SW8260B	09/21/07 15:20 / sbd
Styrene	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
Toluene	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	09/21/07 15:20 / sbd
Surr: 1,2-Dichloroethane-d4	92.0	%REC		70-130		SW8260B	09/21/07 15:20 / sbd
Surr: Dibromofluoromethane	98.0	%REC		77-126		SW8260B	09/21/07 15:20 / sbd
Surr: p-Bromofluorobenzene	108	%REC		76-127		SW8260B	09/21/07 15:20 / sbd
Surr: Toluene-d8	106	%REC		79-122		SW8260B	09/21/07 15:20 / sbd
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4,5-Tetrachlorobenzene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
1,2-Dichlorobenzene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
1,3,5-Trinitrobenzene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
1,3-Dinitrobenzene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
1,4-Benzenediamine	ND	ug/L	P			SW8270C	09/17/07 20:58 / dsm
1,4-Dichlorobenzene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
1,4-Naphthoquinone	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
1-Methylnaphthalene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
1-Naphthylamine	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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800-735-4489 • 406-252-6325 • 406-252-6069 fax • eli@energylab.com

LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings
Lab ID: B07090939-001
Client Sample ID: BSB-GW-01

Report Date: 09/26/07
Collection Date: 09/10/07 14:30
DateReceived: 09/12/07
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
2,3,4,6-Tetrachlorophenol	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
2,4,5-Trichlorophenol	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
2,4,6-Trichlorophenol	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
2,4-Dichlorophenol	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
2,4-Dimethylphenol	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
2,4-Dinitrophenol	ND	ug/L		50		SW8270C	09/17/07 20:58 / dsm
2,4-Dinitrotoluene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
2,6-Dichlorophenol	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
2,6-Dinitrotoluene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
2-Acetylaminofluorene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
2-Chloronaphthalene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
2-Chlorophenol	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
2-Methylnaphthalene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
2-Naphthylamine	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
2-Nitroaniline	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
2-Nitrophenol	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
2-Picoline	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
3,3´-Dichlorobenzidine	ND	ug/L		20		SW8270C	09/17/07 20:58 / dsm
3,3´-Dimethylbenzidine	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
3-Methylcholanthrene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
3-Nitroaniline	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
4,6-Dinitro-2-methylphenol	ND	ug/L		50		SW8270C	09/17/07 20:58 / dsm
4-Aminobiphenyl	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
4-Bromophenyl phenyl ether	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
4-Chloro-2-methylphenol	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
4-Chloro-3-methylphenol	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
4-Chlorophenol	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
4-Chlorophenyl phenyl ether	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
4-Nitroaniline	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
4-Nitrophenol	ND	ug/L		50		SW8270C	09/17/07 20:58 / dsm
4-Nitroquinoline-n-oxide	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
5-Nitro-o-toluidine	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
7,12-Dimethylbenz(a)anthracene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
a,a-Dimethylphenethylamine	ND	ug/L	P			SW8270C	09/17/07 20:58 / dsm
Acenaphthene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Acenaphthylene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Acetophenone	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Aniline	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Anthracene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Aramite	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Azobenzene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Benzidine	ND	ug/L		20		SW8270C	09/17/07 20:58 / dsm

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P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings
Lab ID: B07090939-001
Client Sample ID: BSB-GW-01

Report Date: 09/26/07
Collection Date: 09/10/07 14:30
DateReceived: 09/12/07
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Benzo(a)anthracene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Benzo(a)pyrene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Benzo(b)fluoranthene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Benzo(g,h,i)perylene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Benzo(k)fluoranthene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Benzyl alcohol	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
bis(-2-chloroethoxy)Methane	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
bis(-2-chloroethyl)Ether	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
bis(2-chloroisopropyl)Ether	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
bis(2-ethylhexyl)Phthalate	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Butylbenzylphthalate	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Chlorobenzilate	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Chrysene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Diallate	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Dibenzo(a,h)anthracene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Dibenzofuran	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Diethyl phthalate	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Dimethoate	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Dimethyl phthalate	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Di-n-butyl phthalate	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Di-n-octyl phthalate	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Diphenylamine	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Disulfoton	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Ethyl methanesulfonate	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Famphur	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Fluoranthene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Fluorene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Hexachlorobenzene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Hexachlorobutadiene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Hexachlorocyclopentadiene	ND	ug/L		20		SW8270C	09/17/07 20:58 / dsm
Hexachloroethane	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Hexachlorophene	ND	ug/L	P			SW8270C	09/17/07 20:58 / dsm
Hexachloropropene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Indeno(1,2,3-cd)pyrene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Isophorone	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Isosafrole	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
m+p-Cresols	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Methapyrilene	ND	ug/L	P			SW8270C	09/17/07 20:58 / dsm
Methyl methanesulfonate	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Methyl parathion	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Naphthalene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Nitrobenzene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings
Lab ID: B07090939-001
Client Sample ID: BSB-GW-01

Report Date: 09/26/07
Collection Date: 09/10/07 14:30
DateReceived: 09/12/07
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
n-Nitrosodiethylamine	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
n-Nitrosodimethylamine	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
n-Nitroso-di-n-butylamine	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
n-Nitroso-di-n-propylamine	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
n-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
n-Nitrosomethylethylamine	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
n-Nitrosomorpholine	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
n-Nitrosopiperidine	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
n-Nitrosopyrrolidine	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
o,o,o-Triethyl phosphorothioate	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
o-Cresol	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
o-Toluidine	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
p-(dimethylamino)Azobenzene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Parathion	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
p-Chloroaniline	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Pentachlorobenzene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Pentachloronitrobenzene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Pentachlorophenol	ND	ug/L		50		SW8270C	09/17/07 20:58 / dsm
Phenacetin	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Phenanthrene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Phenol	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Phorate	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Pronamide	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Pyrene	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Pyridine	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Safrole	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Sulfotep	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Thionazin	ND	ug/L		10		SW8270C	09/17/07 20:58 / dsm
Surr: 2,4,6-Tribromophenol	91.0	%REC		10-123		SW8270C	09/17/07 20:58 / dsm
Surr: 2-Fluorobiphenyl	81.0	%REC		43-116		SW8270C	09/17/07 20:58 / dsm
Surr: 2-Fluorophenol	45.0	%REC		21-100		SW8270C	09/17/07 20:58 / dsm
Surr: Nitrobenzene-d5	75.0	%REC		35-114		SW8270C	09/17/07 20:58 / dsm
Surr: Phenol-d5	32.0	%REC		10-94		SW8270C	09/17/07 20:58 / dsm
Surr: Terphenyl-d14	91.0	%REC		33-141		SW8270C	09/17/07 20:58 / dsm
HERBICIDES, CHLORINATED							
2,4-D	ND	ug/L		1.0		SW8151A	09/22/07 21:51 / jml
Dinoseb	ND	ug/L		1.0		SW8151A	09/22/07 21:51 / jml
2,4,5-T	ND	ug/L		0.20		SW8151A	09/22/07 21:51 / jml
2,4,5-TP (Silvex)	ND	ug/L		0.20		SW8151A	09/22/07 21:51 / jml
Surr: DCAA	96.0	%REC		57-125		SW8151A	09/22/07 21:51 / jml

Report Definitions:
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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings
Lab ID: B07090939-002
Client Sample ID: BSB-GW-02

BSB-A1

Report Date: 09/26/07
Collection Date: 09/10/07 12:00
DateReceived: 09/12/07
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	09/21/07 16:40 / sbd
Acetonitrile	ND	ug/L		20		SW8260B	09/21/07 16:40 / sbd
Acrolein	ND	ug/L		20		SW8260B	09/21/07 16:40 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	09/21/07 16:40 / sbd
Allyl chloride	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
Benzene	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
Chloroprene	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
cis-1,2-Dichloroethene	0.27	ug/L	J	1.0		SW8260B	09/21/07 16:40 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	09/21/07 16:40 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings
Lab ID: B07090939-002
Client Sample ID: BSB-GW-02

Report Date: 09/26/07
Collection Date: 09/10/07 12:00
DateReceived: 09/12/07
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Isobutanol	ND	ug/L		50		SW8260B	09/21/07 16:40 / sbd
Methacrylonitrile	ND	ug/L		20		SW8260B	09/21/07 16:40 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	09/21/07 16:40 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	09/21/07 16:40 / sbd
Methyl methacrylate	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
Naphthalene	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
Pentachloroethane	ND	ug/L		2.0		SW8260B	09/21/07 16:40 / sbd
Propionitrile	ND	ug/L		20		SW8260B	09/21/07 16:40 / sbd
Styrene	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
Tetrachloroethene	0.27	ug/L	J	1.0		SW8260B	09/21/07 16:40 / sbd
Toluene	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	09/21/07 16:40 / sbd
Surr: 1,2-Dichloroethane-d4	98.0	%REC		70-130		SW8260B	09/21/07 16:40 / sbd
Surr: Dibromofluoromethane	101	%REC		77-126		SW8260B	09/21/07 16:40 / sbd
Surr: p-Bromofluorobenzene	110	%REC		76-127		SW8260B	09/21/07 16:40 / sbd
Surr: Toluene-d8	105	%REC		79-122		SW8260B	09/21/07 16:40 / sbd
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4,5-Tetrachlorobenzene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
1,2-Dichlorobenzene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
1,3,5-Trinitrobenzene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
1,3-Dinitrobenzene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
1,4-Benzenediamine	ND	ug/L	P			SW8270C	09/17/07 21:30 / dsm
1,4-Dichlorobenzene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
1,4-Naphthoquinone	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
1-Methylnaphthalene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
1-Naphthylamine	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.

LABORATORY ANALYTICAL REPORT

Client: Bella Bella Tank Farm Water Opp
Project: CN3 Lower Deep Tanks
Lab ID: B0P0603-01
Client Sample ID: NBSDEV-C

Report Date: 10/22/07
Collection Date: 09/17/07 12:00
Date Received: 09/17/07
Matrix: Ground Water

Analyte	Result	Units	Qualifier	RL	MDL	MCL	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Benzene	ND	ug/L		20			09/21/07 16:40 / sdd
Bromobenzene	ND	ug/L		20			09/21/07 16:40 / sdd
Bromochloromethane	ND	ug/L		20			09/21/07 16:40 / sdd
Bromodichloromethane	ND	ug/L		20			09/21/07 16:40 / sdd
Bromoform	ND	ug/L		20			09/21/07 16:40 / sdd
Bromomethane	ND	ug/L		1.0			09/21/07 16:40 / sdd
n-Butylbenzene	ND	ug/L		1.0			09/21/07 16:40 / sdd
sec-Butylbenzene	ND	ug/L		1.0			09/21/07 16:40 / sdd
tert-Butylbenzene	ND	ug/L		1.0			09/21/07 16:40 / sdd
Carbon tetrachloride	ND	ug/L		1.0			09/21/07 16:40 / sdd
Chlorobenzene	ND	ug/L		1.0			09/21/07 16:40 / sdd
Chloroethane	ND	ug/L		1.0			09/21/07 16:40 / sdd
Chloroform	ND	ug/L		1.0			09/21/07 16:40 / sdd
Chloromethane	ND	ug/L		1.0			09/21/07 16:40 / sdd
2-Chlorotoluene	ND	ug/L		1.0			09/21/07 16:40 / sdd
4-Chlorotoluene	ND	ug/L		1.0			09/21/07 16:40 / sdd
Dibromochloromethane	ND	ug/L		1.0			09/21/07 16:40 / sdd
Dibromomethane	ND	ug/L		1.0			09/21/07 16:40 / sdd
1,2-Dichlorobenzene	ND	ug/L		1.0			09/21/07 16:40 / sdd
1,3-Dichlorobenzene	ND	ug/L		1.0			09/21/07 16:40 / sdd
1,4-Dichlorobenzene	ND	ug/L		1.0			09/21/07 16:40 / sdd
Dichlorodifluoromethane	ND	ug/L		1.0			09/21/07 16:40 / sdd
1,1-Dichloroethane	ND	ug/L		1.0			09/21/07 16:40 / sdd
1,2-Dichloroethane	ND	ug/L		1.0			09/21/07 16:40 / sdd
1,1-Dichloroethene	ND	ug/L		1.0			09/21/07 16:40 / sdd
cis-1,2-Dichloroethene	ND	ug/L		1.0			09/21/07 16:40 / sdd
trans-1,2-Dichloroethene	ND	ug/L		1.0			09/21/07 16:40 / sdd
1,2-Dichloropropane	ND	ug/L		1.0			09/21/07 16:40 / sdd
1,3-Dichloropropane	ND	ug/L		1.0			09/21/07 16:40 / sdd
2,2-Dichloropropane	ND	ug/L		1.0			09/21/07 16:40 / sdd
1,1-Dichloropropene	ND	ug/L		1.0			09/21/07 16:40 / sdd
cis-1,3-Dichloropropene	ND	ug/L		1.0			09/21/07 16:40 / sdd
trans-1,3-Dichloropropene	ND	ug/L		1.0			09/21/07 16:40 / sdd
Ethylbenzene	ND	ug/L		1.0			09/21/07 16:40 / sdd
Hexachlorobutadiene	ND	ug/L		1.0			09/21/07 16:40 / sdd
Isopropylbenzene	ND	ug/L		1.0			09/21/07 16:40 / sdd
p-Isopropyltoluene	ND	ug/L		1.0			09/21/07 16:40 / sdd
Methylene chloride	ND	ug/L		1.0			09/21/07 16:40 / sdd
n-Propylbenzene	ND	ug/L		1.0			09/21/07 16:40 / sdd
Styrene	ND	ug/L		1.0			09/21/07 16:40 / sdd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0			09/21/07 16:40 / sdd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0			09/21/07 16:40 / sdd
Tetrachloroethene	ND	ug/L		1.0			09/21/07 16:40 / sdd
Toluene	ND	ug/L		1.0			09/21/07 16:40 / sdd
1,2,4-Trichlorobenzene	ND	ug/L		1.0			09/21/07 16:40 / sdd
1,1,1-Trichloroethane	ND	ug/L		1.0			09/21/07 16:40 / sdd
1,1,2-Trichloroethane	ND	ug/L		1.0			09/21/07 16:40 / sdd
Trichloroethene	ND	ug/L		1.0			09/21/07 16:40 / sdd
Trichlorofluoromethane	ND	ug/L		1.0			09/21/07 16:40 / sdd
1,2,3-Trichloropropane	ND	ug/L		1.0			09/21/07 16:40 / sdd
Vinyl acetate	ND	ug/L		1.0			09/21/07 16:40 / sdd
Vinyl chloride	ND	ug/L		1.0			09/21/07 16:40 / sdd
m-Xylene	ND	ug/L		1.0			09/21/07 16:40 / sdd
o-Xylene	ND	ug/L		1.0			09/21/07 16:40 / sdd
p-Xylene	ND	ug/L		1.0			09/21/07 16:40 / sdd
Xylenes, Total	ND	ug/L		1.0			09/21/07 16:40 / sdd
Surr: 1,2-Dichloroethane-d4	94.6	%REC		70-130			09/21/07 16:40 / sdd
Surr: Dibromofluoromethane	101	%REC		70-130			09/21/07 16:40 / sdd
Surr: Toluene-d8	110	%REC		70-130			09/21/07 16:40 / sdd
Surr: Toluene-d8	105	%REC		70-130			09/21/07 16:40 / sdd
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4-Trichlorobenzene	ND	ug/L		10			09/27/07 21:30 / dsm
1,2,4,5-Tetrachlorobenzene	ND	ug/L		10			09/27/07 21:30 / dsm
1,2-Dichlorobenzene	ND	ug/L		10			09/27/07 21:30 / dsm
1,3,5-Trinitrobenzene	ND	ug/L		10			09/27/07 21:30 / dsm
1,3-Dichlorobenzene	ND	ug/L		10			09/27/07 21:30 / dsm
1,3-Dinitrobenzene	ND	ug/L		10			09/27/07 21:30 / dsm
1,4-Dichlorobenzene	ND	ug/L		10			09/27/07 21:30 / dsm
1,4-Dinitrobenzene	ND	ug/L		10			09/27/07 21:30 / dsm
1-Methylnaphthalene	ND	ug/L		10			09/27/07 21:30 / dsm
1-Naphthylamine	ND	ug/L		10			09/27/07 21:30 / dsm

Reason: RL - Analyte reporting limit.
Qualifiers: QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.

MDL - Method detection limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
B - Found in the method blank at a level exceeding the reporting limit.
E - Exceeds the calibration range.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings
Lab ID: B07090939-002
Client Sample ID: BSB-GW-02

Report Date: 09/26/07
Collection Date: 09/10/07 12:00
DateReceived: 09/12/07
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
2,3,4,6-Tetrachlorophenol	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
2,4,5-Trichlorophenol	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
2,4,6-Trichlorophenol	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
2,4-Dichlorophenol	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
2,4-Dimethylphenol	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
2,4-Dinitrophenol	ND	ug/L		50		SW8270C	09/17/07 21:30 / dsm
2,4-Dinitrotoluene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
2,6-Dichlorophenol	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
2,6-Dinitrotoluene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
2-Acetylaminofluorene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
2-Chloronaphthalene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
2-Chlorophenol	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
2-Methylnaphthalene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
2-Naphthylamine	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
2-Nitroaniline	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
2-Nitrophenol	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
2-Picoline	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
3,3´-Dichlorobenzidine	ND	ug/L		20		SW8270C	09/17/07 21:30 / dsm
3,3´-Dimethylbenzidine	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
3-Methylcholanthrene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
3-Nitroaniline	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
4,6-Dinitro-2-methylphenol	ND	ug/L		50		SW8270C	09/17/07 21:30 / dsm
4-Aminobiphenyl	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
4-Bromophenyl phenyl ether	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
4-Chloro-2-methylphenol	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
4-Chloro-3-methylphenol	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
4-Chlorophenol	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
4-Chlorophenyl phenyl ether	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
4-Nitroaniline	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
4-Nitrophenol	ND	ug/L		50		SW8270C	09/17/07 21:30 / dsm
4-Nitroquinoline-n-oxide	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
5-Nitro-o-toluidine	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
7,12-Dimethylbenz(a)anthracene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
a,a-Dimethylphenethylamine	ND	ug/L	P			SW8270C	09/17/07 21:30 / dsm
Acenaphthene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Acenaphthylene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Acetophenone	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Aniline	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Anthracene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Aramite	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Azobenzene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Benzidine	ND	ug/L		20		SW8270C	09/17/07 21:30 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Duke Power Rails Work's Dept
Project: Oil Laundry Dam Tailings
Lab ID: B0703024-002
Client Sample ID: 95B-DW-2

Report Date: 04/30/07
Collection Date: 04/26/07 12:00
Date Received: 04/27/07
Matrix: Drums Water

Analyses	Result	Units	Qualifiers	RL	MCL or PQL	Method	Analysis Date	By
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,3,4,6-Tetrachlorophenol	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
2,4,5-Trichlorophenol	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
2,4,6-Trichlorophenol	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
2,4-Dichlorophenol	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
2,4-Dimethylphenol	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
2,4-Dinitrophenol	ND	ug/L		50		SW8270C	04/27/07 21:30	dwm
2,4-Dinitrotoluene	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
2,6-Dinitrotoluene	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
2-Chloronaphthalene	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
2-Chlorophenol	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
2-Methylnaphthalene	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
2-Methylphenol	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
2-Nitroaniline	ND	ug/L		50		SW8270C	04/27/07 21:30	dwm
2-Nitrophenol	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
3,3'-Dichlorobenzidine	ND	ug/L		20		SW8270C	04/27/07 21:30	dwm
3,4-Methylphenol	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
3-Nitroaniline	ND	ug/L		50		SW8270C	04/27/07 21:30	dwm
4,6-Dinitro-2-Methylphenol	ND	ug/L		50		SW8270C	04/27/07 21:30	dwm
4-Bromophenyl-phenylether	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
4-Chloro-3-methylphenol	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
4-Chloroaniline	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
4-Chlorophenyl-phenylether	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
4-Nitroaniline	ND	ug/L		50		SW8270C	04/27/07 21:30	dwm
4-Nitrophenol	ND	ug/L		50		SW8270C	04/27/07 21:30	dwm
Acenaphthene	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Acenaphthylene	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Aniline	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Anthracene	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Benzidine	ND	ug/L		50		SW8270C	04/27/07 21:30	dwm
Benzo(a)anthracene	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Benzo(a)pyrene	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Benzo(b)fluoranthene	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Benzo(g,h,i)perylene	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Benzo(k)fluoranthene	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Benzoic Acid	ND	ug/L		50		SW8270C	04/27/07 21:30	dwm
Benzyl alcohol	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Bis(2-chloroethoxy)methane	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Bis(2-chloroethyl)ether	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Bis(2-chloroisopropyl)ether	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Bis(2-ethylhexyl)phthalate	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Butylbenzylphthalate	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Carbazole	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Chrysene	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Dibenzo(a,h)anthracene	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Dibenzofuran	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Diethylphthalate	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Dimethylphthalate	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Di-n-butylphthalate	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Di-n-octylphthalate	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Fluoranthene	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Fluorene	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Hexachlorobenzene	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Hexachlorobutadiene	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Hexachlorocyclopentadiene	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Hexachloroethane	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Indeno(1,2,3-cd)pyrene	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Isophorone	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Naphthalene	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Nitrobenzene	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
N-Nitrosodimethylamine	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
N-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
N-Nitrosodipropylamine	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Pentachlorophenol	ND	ug/L		50		SW8270C	04/27/07 21:30	dwm
Phenanthrene	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Phenol	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm
Pyrene	ND	ug/L		10		SW8270C	04/27/07 21:30	dwm

Qualifiers:
RL - Analyte reporting limit
QCL - Quality control limit
B - Analyte detected in the associated method blank
E - Value exceeds calibration range
J - Estimated value
MCL - Maximum contaminant level
ND - Not detected at the reporting limit

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings
Lab ID: B07090939-002
Client Sample ID: BSB-GW-02

Report Date: 09/26/07
Collection Date: 09/10/07 12:00
DateReceived: 09/12/07
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Benzo(a)anthracene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Benzo(a)pyrene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Benzo(b)fluoranthene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Benzo(g,h,i)perylene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Benzo(k)fluoranthene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Benzyl alcohol	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
bis(-2-chloroethoxy)Methane	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
bis(-2-chloroethyl)Ether	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
bis(2-chloroisopropyl)Ether	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
bis(2-ethylhexyl)Phthalate	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Butylbenzylphthalate	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Chlorobenzilate	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Chrysene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Diallate	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Dibenzo(a,h)anthracene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Dibenzofuran	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Diethyl phthalate	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Dimethoate	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Dimethyl phthalate	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Di-n-butyl phthalate	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Di-n-octyl phthalate	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Diphenylamine	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Disulfoton	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Ethyl methanesulfonate	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Famphur	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Fluoranthene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Fluorene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Hexachlorobenzene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Hexachlorobutadiene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Hexachlorocyclopentadiene	ND	ug/L		20		SW8270C	09/17/07 21:30 / dsm
Hexachloroethane	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Hexachlorophene	ND	ug/L	P			SW8270C	09/17/07 21:30 / dsm
Hexachloropropene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Indeno(1,2,3-cd)pyrene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Isophorone	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Isosafrole	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
m+p-Cresols	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Methapyrilene	ND	ug/L	P			SW8270C	09/17/07 21:30 / dsm
Methyl methanesulfonate	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Methyl parathion	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Naphthalene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Nitrobenzene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings
Lab ID: B07090939-002
Client Sample ID: BSB-GW-02

Report Date: 09/26/07
Collection Date: 09/10/07 12:00
DateReceived: 09/12/07
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
n-Nitrosodiethylamine	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
n-Nitrosodimethylamine	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
n-Nitroso-di-n-butylamine	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
n-Nitroso-di-n-propylamine	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
n-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
n-Nitrosomethylethylamine	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
n-Nitrosomorpholine	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
n-Nitrosopiperidine	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
n-Nitrosopyrrolidine	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
o,o,o-Triethyl phosphorothioate	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
o-Cresol	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
o-Toluidine	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
p-(dimethylamino)Azobenzene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Parathion	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
p-Chloroaniline	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Pentachlorobenzene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Pentachloronitrobenzene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Pentachlorophenol	ND	ug/L		50		SW8270C	09/17/07 21:30 / dsm
Phenacetin	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Phenanthrene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Phenol	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Phorate	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Pronamide	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Pyrene	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Pyridine	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Safrole	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Sulfotep	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Thionazin	ND	ug/L		10		SW8270C	09/17/07 21:30 / dsm
Surr: 2,4,6-Tribromophenol	56.0	%REC		10-123		SW8270C	09/17/07 21:30 / dsm
Surr: 2-Fluorobiphenyl	56.0	%REC		43-116		SW8270C	09/17/07 21:30 / dsm
Surr: 2-Fluorophenol	32.0	%REC		21-100		SW8270C	09/17/07 21:30 / dsm
Surr: Nitrobenzene-d5	53.0	%REC		35-114		SW8270C	09/17/07 21:30 / dsm
Surr: Phenol-d5	26.0	%REC		10-94		SW8270C	09/17/07 21:30 / dsm
Surr: Terphenyl-d14	50.0	%REC		33-141		SW8270C	09/17/07 21:30 / dsm
HERBICIDES, CHLORINATED							
2,4-D	ND	ug/L		1.0		SW8151A	09/22/07 22:24 / jml
Dinoseb	ND	ug/L		1.0		SW8151A	09/22/07 22:24 / jml
2,4,5-T	ND	ug/L		0.20		SW8151A	09/22/07 22:24 / jml
2,4,5-TP (Silvex)	ND	ug/L		0.20		SW8151A	09/22/07 22:24 / jml
Surr: DCAA	92.0	%REC		57-125		SW8151A	09/22/07 22:24 / jml

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Alan Lane Gas Plant Work Crew
Project: Oil Lanes Gas Tanks
Lab ID: 8A03-2020-003
Client Sample ID: SB-GW-01

Report Date: 06/24/07
Collection Date: 06/19/07 12:00
Date Received: 06/20/07
Matrix: Ground Water

Analyte	Result	Units	Qualifier	MDL	MCL	Method	Analysis Date / By
EPA VOLATILE ORGANIC COMPOUNDS							
n-Butylbenzene	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
sec-Butylbenzene	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
tert-Butylbenzene	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
1,3,5-Trichlorobenzene	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
1,2,3-Trichlorobenzene	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
Naphthalene	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
1,2,3-Trichloropropane	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
1,2,4-Trimethylbenzene	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
1,3,5-Trimethylbenzene	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
2,2-Dichloropropane	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
1,2-Dichloroethane (EDC)	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
1,2-Dibromoethane (EDB)	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
Bromobenzene	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
Bromochloromethane	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
Bromodichloromethane	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
Bromoform	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
Bromomethane	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
Carbon tetrachloride	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
Chlorobenzene	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
Chloroethane	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
Chloroform	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
Chloromethane	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
2-Chlorotoluene	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
4-Chlorotoluene	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
Dibromomethane	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
Dichlorodifluoromethane	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
Dichloromethane (Methylene chloride)	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
Ethylene dibromide	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
Hexachlorobutadiene	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
Isopropylbenzene	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
p-Isopropyltoluene	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
Methyl tert-butyl ether (MTBE)	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
Methylene chloride	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
n-Propylbenzene	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
Styrene	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
Tetrachloroethylene (PCE)	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
Toluene	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
Trichloroethylene (TCE)	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
Vinyl chloride	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
Xylene (total)	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
Xylene 1,2-Dimethylbenzene	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
Xylene 1,3-Dimethylbenzene	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
Xylene 1,4-Dimethylbenzene	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
Xylene Dimethylbenzene	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
Xylene Trimethylbenzene	ND	ug/L		10		SW8270C	06/27/07 21:30 / dam
HERBICIDES, CHLORINATED							
2,4-D	ND	ug/L		1.0		SW8151A	06/22/07 22:34 / jyd
Dinoseb	ND	ug/L		1.0		SW8151A	06/22/07 22:34 / jyd
2,4,5-T	ND	ug/L		0.20		SW8151A	06/22/07 22:34 / jyd
2,4,5-TP (Silvex)	ND	ug/L		0.20		SW8151A	06/22/07 22:34 / jyd
Dalapon	ND	ug/L		1.0		SW8151A	06/22/07 22:34 / jyd

Reporting Limit - Analyte reporting limit
MDL - Method detection limit
MCL - Maximum contaminant level
ND - Not detected at the reporting limit

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings
Lab ID: B07090939-003
Client Sample ID: BSB-GW-03

BSB-A5

Report Date: 09/26/07
Collection Date: 09/10/07 13:30
DateReceived: 09/12/07
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	09/21/07 17:20 / sbd
Acetonitrile	ND	ug/L		20		SW8260B	09/21/07 17:20 / sbd
Acrolein	ND	ug/L		20		SW8260B	09/21/07 17:20 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	09/21/07 17:20 / sbd
Allyl chloride	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
Benzene	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
Chloroprene	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
cis-1,2-Dichloroethene	1.7	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	09/21/07 17:20 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings
Lab ID: B07090939-003
Client Sample ID: BSB-GW-03

Report Date: 09/26/07
Collection Date: 09/10/07 13:30
DateReceived: 09/12/07
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Isobutanol	ND	ug/L		50		SW8260B	09/21/07 17:20 / sbd
Methacrylonitrile	ND	ug/L		20		SW8260B	09/21/07 17:20 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	09/21/07 17:20 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	09/21/07 17:20 / sbd
Methyl methacrylate	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
Naphthalene	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
Pentachloroethane	ND	ug/L		2.0		SW8260B	09/21/07 17:20 / sbd
Propionitrile	ND	ug/L		20		SW8260B	09/21/07 17:20 / sbd
Styrene	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
Tetrachloroethene	1.2	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
Toluene	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
Trichloroethene	0.34	ug/L	J	1.0		SW8260B	09/21/07 17:20 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	09/21/07 17:20 / sbd
Surr: 1,2-Dichloroethane-d4	101	%REC		70-130		SW8260B	09/21/07 17:20 / sbd
Surr: Dibromofluoromethane	102	%REC		77-126		SW8260B	09/21/07 17:20 / sbd
Surr: p-Bromofluorobenzene	109	%REC		76-127		SW8260B	09/21/07 17:20 / sbd
Surr: Toluene-d8	104	%REC		79-122		SW8260B	09/21/07 17:20 / sbd
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4,5-Tetrachlorobenzene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
1,2-Dichlorobenzene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
1,3,5-Trinitrobenzene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
1,3-Dinitrobenzene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
1,4-Benzenediamine	ND	ug/L	P			SW8270C	09/17/07 22:01 / dsm
1,4-Dichlorobenzene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
1,4-Naphthoquinone	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
1-Methylnaphthalene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
1-Naphthylamine	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.

LABORATORY ANALYTICAL REPORT

Client: Duke Energy Florida Water Dept.
Project: Oil Laundry Cleaning
Lab ID: 20T0600-003
Client Sample ID: BSB-DW-03

Report Date: 06/30/07
Collection Date: 06/06/07 13:30
Date Received: 06/12/07
Matrix: Ground Water

Analyte	Result	Units	Qualifiers	RL	MCL or PQL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Benzene	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
Bromobenzene	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
Bromochloromethane	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
Bromodichloromethane	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
Bromoform	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
Bromomethane	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
2-Butanone (MEK)	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
n-Butylbenzene	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
sec-Butylbenzene	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
tert-Butylbenzene	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
Carbon disulfide	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
Carbon tetrachloride	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
Chlorobenzene	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
Chloroethane	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
Chloroform	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
Chloromethane	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
2-Chlorotoluene	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
4-Chlorotoluene	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
Dibromochloromethane	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
1,2-Dibromoethane (EDB)	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
Dibromomethane	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
1,2-Dichlorobenzene	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
1,3-Dichlorobenzene	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
1,4-Dichlorobenzene	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
Dichlorodifluoromethane	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
1,1-Dichloroethane	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
1,2-Dichloroethane	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
1,1-Dichloroethylene	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
cis-1,2-Dichloroethylene	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
trans-1,2-Dichloroethylene	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
1,2-Dichloropropane	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
1,3-Dichloropropane	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
2,2-Dichloropropane	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
1,1-Dichloropropene	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
cis-1,3-Dichloropropene	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
trans-1,3-Dichloropropene	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
Ethylbenzene	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
Hexachlorobutadiene	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
Isopropylbenzene	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
p-Isopropyltoluene	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
Methylene chloride	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
Naphthalene	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
n-Propylbenzene	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
Styrene	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
1,1,1,2-Tetrachloroethane	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
1,1,2,2-Tetrachloroethane	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
Tetrachloroethylene	3.2	ug/L		20		SW8260B	06/21/07 17:20 / ebd
Toluene	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
1,2,3-Trichlorobenzene	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
1,2,4-Trichlorobenzene	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
1,1,1-Trichloroethane	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
1,1,2-Trichloroethane	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
Trichloroethylene	3.24	ug/L		20		SW8260B	06/21/07 17:20 / ebd
1,2,3-Trichloropropane	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
1,3,5-Trimethylbenzene	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
1,2,4-Trimethylbenzene	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
Vinyl chloride	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
Vinyl acetate	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
Vinyl bromide	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
Vinyl chloride	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
o-Xylene	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
Xylenes, Total	ND	ug/L		20		SW8260B	06/21/07 17:20 / ebd
Surr: 1,2-Dichloroethane-d4	101	%REC		77-130		SW8260B	06/21/07 17:20 / ebd
Surr: Dibromofluoromethane	105	%REC		77-130		SW8260B	06/21/07 17:20 / ebd
Surr: p-Bromofluorobenzene	105	%REC		80-120		SW8260B	06/21/07 17:20 / ebd
Surr: Toluene-d8	104	%REC		78-122		SW8260B	06/21/07 17:20 / ebd
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4,5-Tetrachlorobenzene	ND	ug/L		10		SW8270C	06/21/07 22:01 / dam
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	06/21/07 22:01 / dam
1,2-Dichlorobenzene	ND	ug/L		10		SW8270C	06/21/07 22:01 / dam
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	06/21/07 22:01 / dam
1,4-Dichlorobenzene	ND	ug/L		10		SW8270C	06/21/07 22:01 / dam
1,2-Diphenylhydrazine	ND	ug/L		10		SW8270C	06/21/07 22:01 / dam
2,4,5-Trichlorophenol	ND	ug/L		10		SW8270C	06/21/07 22:01 / dam
2,4,6-Trichlorophenol	ND	ug/L		10		SW8270C	06/21/07 22:01 / dam
2,4-Dichlorophenol	ND	ug/L		10		SW8270C	06/21/07 22:01 / dam
2,4-Dimethylphenol	ND	ug/L		10		SW8270C	06/21/07 22:01 / dam
2,4-Dinitrophenol	ND	ug/L		10		SW8270C	06/21/07 22:01 / dam
2,4-Dinitrotoluene	ND	ug/L		10		SW8270C	06/21/07 22:01 / dam
2,6-Dinitrotoluene	ND	ug/L		10		SW8270C	06/21/07 22:01 / dam
2-Chloronaphthalene	ND	ug/L		10		SW8270C	06/21/07 22:01 / dam

Report: RL - Analytical reporting limit
Definitions: QCL - Quality control limit
J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.
PQL - Not applicable at the reporting limit.
R - Poor matrix performance. Method or matrix interference.
Analyte not detected at the levels in accordance with analytical procedures.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings
Lab ID: B07090939-003
Client Sample ID: BSB-GW-03

Report Date: 09/26/07
Collection Date: 09/10/07 13:30
DateReceived: 09/12/07
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
2,3,4,6-Tetrachlorophenol	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
2,4,5-Trichlorophenol	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
2,4,6-Trichlorophenol	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
2,4-Dichlorophenol	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
2,4-Dimethylphenol	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
2,4-Dinitrophenol	ND	ug/L		50		SW8270C	09/17/07 22:01 / dsm
2,4-Dinitrotoluene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
2,6-Dichlorophenol	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
2,6-Dinitrotoluene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
2-Acetylaminofluorene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
2-Chloronaphthalene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
2-Chlorophenol	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
2-Methylnaphthalene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
2-Naphthylamine	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
2-Nitroaniline	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
2-Nitrophenol	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
2-Picoline	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
3,3´-Dichlorobenzidine	ND	ug/L		20		SW8270C	09/17/07 22:01 / dsm
3,3´-Dimethylbenzidine	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
3-Methylcholanthrene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
3-Nitroaniline	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
4,6-Dinitro-2-methylphenol	ND	ug/L		50		SW8270C	09/17/07 22:01 / dsm
4-Aminobiphenyl	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
4-Bromophenyl phenyl ether	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
4-Chloro-2-methylphenol	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
4-Chloro-3-methylphenol	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
4-Chlorophenol	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
4-Chlorophenyl phenyl ether	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
4-Nitroaniline	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
4-Nitrophenol	ND	ug/L		50		SW8270C	09/17/07 22:01 / dsm
4-Nitroquinoline-n-oxide	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
5-Nitro-o-toluidine	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
7,12-Dimethylbenz(a)anthracene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
a,a-Dimethylphenethylamine	ND	ug/L	P			SW8270C	09/17/07 22:01 / dsm
Acenaphthene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Acenaphthylene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Acetophenone	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Aniline	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Anthracene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Aramite	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Azobenzene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Benzidine	ND	ug/L		20		SW8270C	09/17/07 22:01 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sugar Sales and Product Works Dept
Project: Old Landfill Clean Testing
Lab ID: 8211K0212-001
Client Sample ID: 8314-GW-01

Report Date: 05/24/07
Collection Date: 05/10/07 13:30
Received Date: 05/11/07
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL / DLR	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
2,3,4,6-Tetrachlorophenol	ND	ug/L		10		SW8270C	05/17/07 22:01 / dam
2,4,5-Trichlorophenol	ND	ug/L		10		SW8270C	05/17/07 22:01 / dam
2,4,6-Trichlorophenol	ND	ug/L		10		SW8270C	05/17/07 22:01 / dam
2,4-Dichlorophenol	ND	ug/L		10		SW8270C	05/17/07 22:01 / dam
2,4-Dimethylphenol	ND	ug/L		10		SW8270C	05/17/07 22:01 / dam
2,4-Dinitrophenol	ND	ug/L		50		SW8270C	05/17/07 22:01 / dam
2,4-Dinitrotoluene	ND	ug/L		10		SW8270C	05/17/07 22:01 / dam
2,6-Dinitrotoluene	ND	ug/L		10		SW8270C	05/17/07 22:01 / dam
2-Chloronaphthalene	ND	ug/L		10		SW8270C	05/17/07 22:01 / dam
2-Chlorophenol	ND	ug/L		10		SW8270C	05/17/07 22:01 / dam
2-Methylnaphthalene	ND	ug/L		10		SW8270C	05/17/07 22:01 / dam
2-Methylphenol	ND	ug/L		10		SW8270C	05/17/07 22:01 / dam
2-Nitroaniline	ND	ug/L		50		SW8270C	05/17/07 22:01 / dam
2-Nitrophenol	ND	ug/L		10		SW8270C	05/17/07 22:01 / dam
3,3'-Dichlorobenzidine	ND	ug/L		20		SW8270C	05/17/07 22:01 / dam
3-Nitroaniline	ND	ug/L		50		SW8270C	05/17/07 22:01 / dam
4,6-Dinitro-2-methylphenol	ND	ug/L		50		SW8270C	05/17/07 22:01 / dam
4-Bromophenyl-phenylether	ND	ug/L		10		SW8270C	05/17/07 22:01 / dam
4-Chloro-3-methylphenol	ND	ug/L		10		SW8270C	05/17/07 22:01 / dam
4-Chloroaniline	ND	ug/L		10		SW8270C	05/17/07 22:01 / dam
4-Chlorophenyl-phenylether	ND	ug/L		10		SW8270C	05/17/07 22:01 / dam
4-Nitroaniline	ND	ug/L		50		SW8270C	05/17/07 22:01 / dam
4-Nitrophenol	ND	ug/L		50		SW8270C	05/17/07 22:01 / dam
Acenaphthene	ND	ug/L		10		SW8270C	05/17/07 22:01 / dam
Acenaphthylene	ND	ug/L		10		SW8270C	05/17/07 22:01 / dam
Aniline	ND	ug/L		10		SW8270C	05/17/07 22:01 / dam
Anthracene	ND	ug/L		10		SW8270C	05/17/07 22:01 / dam
Benzidine	ND	ug/L		50		SW8270C	05/17/07 22:01 / dam
Benzo(a)anthracene	ND	ug/L		10		SW8270C	05/17/07 22:01 / dam
Benzo(a)pyrene	ND	ug/L		10		SW8270C	05/17/07 22:01 / dam
Benzo(b)fluoranthene	ND	ug/L		10		SW8270C	05/17/07 22:01 / dam
Benzo(g,h,i)perylene	ND	ug/L		10		SW8270C	05/17/07 22:01 / dam
Benzo(k)fluoranthene	ND	ug/L		10		SW8270C	05/17/07 22:01 / dam
Benzoic acid	ND	ug/L		50		SW8270C	05/17/07 22:01 / dam
Benzyl alcohol	ND	ug/L		10		SW8270C	05/17/07 22:01 / dam
Bis(2-chloroethoxy)methane	ND	ug/L		10		SW8270C	05/17/07 22:01 / dam
Bis(2-chloroethyl)ether	ND	ug/L		10		SW8270C	05/17/07 22:01 / dam
Bis(2-chloroisopropyl)ether	ND	ug/L		10		SW8270C	05/17/07 22:01 / dam
Bis(2-ethylhexyl)phthalate	ND	ug/L		20		SW8270C	05/17/07 22:01 / dam

Surrogate: RL - Analyte reporting limit
Qualifiers: MCL - Maximum contaminant level
DLR - Reporting limit
DLR - Quantitation limit
ND - Not detected at the reporting limit
B - Blank contamination. Analyte detected in the associated method blank
E - Value exceeds calibration range
H - Holding time violation
Dilution factor

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings
Lab ID: B07090939-003
Client Sample ID: BSB-GW-03

Report Date: 09/26/07
Collection Date: 09/10/07 13:30
DateReceived: 09/12/07
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Benzo(a)anthracene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Benzo(a)pyrene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Benzo(b)fluoranthene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Benzo(g,h,i)perylene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Benzo(k)fluoranthene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Benzyl alcohol	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
bis(-2-chloroethoxy)Methane	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
bis(-2-chloroethyl)Ether	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
bis(2-chloroisopropyl)Ether	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
bis(2-ethylhexyl)Phthalate	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Butylbenzylphthalate	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Chlorobenzilate	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Chrysene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Diallate	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Dibenzo(a,h)anthracene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Dibenzofuran	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Diethyl phthalate	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Dimethoate	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Dimethyl phthalate	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Di-n-butyl phthalate	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Di-n-octyl phthalate	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Diphenylamine	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Disulfoton	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Ethyl methanesulfonate	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Famphur	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Fluoranthene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Fluorene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Hexachlorobenzene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Hexachlorobutadiene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Hexachlorocyclopentadiene	ND	ug/L		20		SW8270C	09/17/07 22:01 / dsm
Hexachloroethane	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Hexachlorophene	ND	ug/L	P			SW8270C	09/17/07 22:01 / dsm
Hexachloropropene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Indeno(1,2,3-cd)pyrene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Isophorone	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Isosafrole	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
m+p-Cresols	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Methapyrilene	ND	ug/L	P			SW8270C	09/17/07 22:01 / dsm
Methyl methanesulfonate	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Methyl parathion	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Naphthalene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Nitrobenzene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings
Lab ID: B07090939-003
Client Sample ID: BSB-GW-03

Report Date: 09/26/07
Collection Date: 09/10/07 13:30
DateReceived: 09/12/07
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
n-Nitrosodiethylamine	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
n-Nitrosodimethylamine	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
n-Nitroso-di-n-butylamine	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
n-Nitroso-di-n-propylamine	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
n-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
n-Nitrosomethylethylamine	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
n-Nitrosomorpholine	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
n-Nitrosopiperidine	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
n-Nitrosopyrrolidine	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
o,o,o-Triethyl phosphorothioate	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
o-Cresol	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
o-Toluidine	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
p-(dimethylamino)Azobenzene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Parathion	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
p-Chloroaniline	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Pentachlorobenzene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Pentachloronitrobenzene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Pentachlorophenol	ND	ug/L		50		SW8270C	09/17/07 22:01 / dsm
Phenacetin	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Phenanthrene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Phenol	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Phorate	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Pronamide	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Pyrene	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Pyridine	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Safrole	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Sulfotep	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Thionazin	ND	ug/L		10		SW8270C	09/17/07 22:01 / dsm
Surr: 2,4,6-Tribromophenol	52.0	%REC		10-123		SW8270C	09/17/07 22:01 / dsm
Surr: 2-Fluorobiphenyl	53.0	%REC		43-116		SW8270C	09/17/07 22:01 / dsm
Surr: 2-Fluorophenol	30.0	%REC		21-100		SW8270C	09/17/07 22:01 / dsm
Surr: Nitrobenzene-d5	49.0	%REC		35-114		SW8270C	09/17/07 22:01 / dsm
Surr: Phenol-d5	24.0	%REC		10-94		SW8270C	09/17/07 22:01 / dsm
Surr: Terphenyl-d14	40.0	%REC		33-141		SW8270C	09/17/07 22:01 / dsm
HERBICIDES, CHLORINATED							
2,4-D	ND	ug/L		1.0		SW8151A	09/22/07 22:58 / jml
Dinoseb	ND	ug/L		1.0		SW8151A	09/22/07 22:58 / jml
2,4,5-T	ND	ug/L		0.20		SW8151A	09/22/07 22:58 / jml
2,4,5-TP (Silvex)	ND	ug/L		0.20		SW8151A	09/22/07 22:58 / jml
Surr: DCAA	90.0	%REC		57-125		SW8151A	09/22/07 22:58 / jml

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Blue Sky Tire Fuels Vista Del
Project: Old Lodge Clean Fuelings
Lab ID: 20100029-003
Client Sample ID: 9SA-GW-35

Report Date: 06/08/07
Collection Date: 06/07/07 13:30
Date Received: 06/07/07
Matrix: Ground Water

Analyte	Result	Units	Qualifiers	RL	MCL	Method	Analysis Date / By
8270D/SVOLATILE ORGANIC COMPOUNDS							
n-Nitrosodimethylamine	ND	ug/L		10		SW8270C	06/12/07 22:01 / dam
n-Nitrosodipropylamine	ND	ug/L		10		SW8270C	06/12/07 22:01 / dam
n-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	06/12/07 22:01 / dam
Naphthalene	ND	ug/L		10		SW8270C	06/12/07 22:01 / dam
n-Propylbenzene	ND	ug/L		10		SW8270C	06/12/07 22:01 / dam

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings
Lab ID: B07090939-004
Client Sample ID: BSB-GW-04

Report Date: 09/26/07
Collection Date: 09/10/07 12:55
DateReceived: 09/12/07
Matrix: Ground Water

BSB-A6-R

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	11	ug/L	JT	20		SW8260B	09/21/07 17:57 / sbd
Acetonitrile	ND	ug/L		20		SW8260B	09/21/07 17:57 / sbd
Acrolein	ND	ug/L		20		SW8260B	09/21/07 17:57 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	09/21/07 17:57 / sbd
Allyl chloride	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
Benzene	0.55	ug/L	J	1.0		SW8260B	09/21/07 17:57 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
Chloroethane	0.45	ug/L	J	1.0		SW8260B	09/21/07 17:57 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
Chloroprene	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
1,4-Dichlorobenzene	2.1	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
Dichlorodifluoromethane	2.0	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
1,1-Dichloroethane	1.8	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
cis-1,2-Dichloroethene	9.8	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
trans-1,2-Dichloroethene	0.25	ug/L	J	1.0		SW8260B	09/21/07 17:57 / sbd
1,2-Dichloropropane	0.54	ug/L	J	1.0		SW8260B	09/21/07 17:57 / sbd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	09/21/07 17:57 / sbd
Iodomethane	0.20	ug/L	J	1.0		SW8260B	09/21/07 17:57 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
T - The analyte was detected in the associated trip blank.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
J - Estimated value. The analyte was present but less than the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings
Lab ID: B07090939-004
Client Sample ID: BSB-GW-04

Report Date: 09/26/07
Collection Date: 09/10/07 12:55
DateReceived: 09/12/07
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Isobutanol	ND	ug/L		50		SW8260B	09/21/07 17:57 / sbd
Methacrylonitrile	ND	ug/L		20		SW8260B	09/21/07 17:57 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	09/21/07 17:57 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	09/21/07 17:57 / sbd
Methyl methacrylate	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
Methylene chloride	0.25	ug/L	J	1.0		SW8260B	09/21/07 17:57 / sbd
Naphthalene	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
Pentachloroethane	ND	ug/L		2.0		SW8260B	09/21/07 17:57 / sbd
Propionitrile	ND	ug/L		20		SW8260B	09/21/07 17:57 / sbd
Styrene	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
Tetrachloroethene	0.38	ug/L	J	1.0		SW8260B	09/21/07 17:57 / sbd
Toluene	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
Trichloroethene	0.64	ug/L	J	1.0		SW8260B	09/21/07 17:57 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
Vinyl chloride	7.6	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	09/21/07 17:57 / sbd
Surr: 1,2-Dichloroethane-d4	102	%REC		70-130		SW8260B	09/21/07 17:57 / sbd
Surr: Dibromofluoromethane	102	%REC		77-126		SW8260B	09/21/07 17:57 / sbd
Surr: p-Bromofluorobenzene	106	%REC		76-127		SW8260B	09/21/07 17:57 / sbd
Surr: Toluene-d8	103	%REC		79-122		SW8260B	09/21/07 17:57 / sbd
SEMI-VOLATILE ORGANIC COMPOUNDS							
1,2,4,5-Tetrachlorobenzene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
1,2-Dichlorobenzene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
1,3,5-Trinitrobenzene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
1,3-Dichlorobenzene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
1,3-Dinitrobenzene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
1,4-Benzenediamine	ND	ug/L	P			SW8270C	09/17/07 22:32 / dsm
1,4-Dichlorobenzene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
1,4-Naphthoquinone	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
1-Methylnaphthalene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
1-Naphthylamine	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings
Lab ID: B07090939-004
Client Sample ID: BSB-GW-04

Report Date: 09/26/07
Collection Date: 09/10/07 12:55
DateReceived: 09/12/07
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
2,3,4,6-Tetrachlorophenol	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
2,4,5-Trichlorophenol	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
2,4,6-Trichlorophenol	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
2,4-Dichlorophenol	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
2,4-Dimethylphenol	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
2,4-Dinitrophenol	ND	ug/L		50		SW8270C	09/17/07 22:32 / dsm
2,4-Dinitrotoluene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
2,6-Dichlorophenol	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
2,6-Dinitrotoluene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
2-Acetylaminofluorene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
2-Chloronaphthalene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
2-Chlorophenol	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
2-Methylnaphthalene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
2-Naphthylamine	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
2-Nitroaniline	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
2-Nitrophenol	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
2-Picoline	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
3,3´-Dichlorobenzidine	ND	ug/L		20		SW8270C	09/17/07 22:32 / dsm
3,3´-Dimethylbenzidine	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
3-Methylcholanthrene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
3-Nitroaniline	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
4,6-Dinitro-2-methylphenol	ND	ug/L		50		SW8270C	09/17/07 22:32 / dsm
4-Aminobiphenyl	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
4-Bromophenyl phenyl ether	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
4-Chloro-2-methylphenol	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
4-Chloro-3-methylphenol	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
4-Chlorophenol	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
4-Chlorophenyl phenyl ether	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
4-Nitroaniline	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
4-Nitrophenol	ND	ug/L		50		SW8270C	09/17/07 22:32 / dsm
4-Nitroquinoline-n-oxide	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
5-Nitro-o-toluidine	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
7,12-Dimethylbenz(a)anthracene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
a,a-Dimethylphenethylamine	ND	ug/L	P			SW8270C	09/17/07 22:32 / dsm
Acenaphthene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Acenaphthylene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Acetophenone	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Aniline	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Anthracene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Aramite	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Azobenzene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Benzidine	ND	ug/L		20		SW8270C	09/17/07 22:32 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Bluffs Saver Supply Corporation
Project: DNT Jordan Cove Terminal
Lab ID#: B0705009-0014
Client Sample ID: E29-FTW-04

Report Date: 06/28/07
Collection Date: 06/18/07 12:00
Date Received: 06/19/07
Matrix: Filtered Water

Analyte	Result	Units	Qualifiers	RL	MCL / CCL	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS						
2,4,5-Trichlorophenol	ND	ug/L		10		06/27/07 22:32 / dam
2,4,6-Trichlorophenol	ND	ug/L		10		06/27/07 22:32 / dam
2,4-Dichlorophenol	ND	ug/L		10		06/27/07 22:32 / dam
2,4-Dimethylphenol	ND	ug/L		10		06/27/07 22:32 / dam
2,4-Dinitrophenol	ND	ug/L		10		06/27/07 22:32 / dam
2,4-Dinitrotoluene	ND	ug/L		10		06/27/07 22:32 / dam
2,6-Dinitrotoluene	ND	ug/L		20		06/27/07 22:32 / dam
2-Chloronaphthalene	ND	ug/L		10		06/27/07 22:32 / dam
2-Chlorophenol	ND	ug/L		10		06/27/07 22:32 / dam
2-Methylnaphthalene	ND	ug/L		10		06/27/07 22:32 / dam
2-Methylphenol	ND	ug/L		10		06/27/07 22:32 / dam
2-Nitroaniline	ND	ug/L		10		06/27/07 22:32 / dam
2-Nitrophenol	ND	ug/L		10		06/27/07 22:32 / dam
3,3'-Dichlorobenzidine	ND	ug/L		20		06/27/07 22:32 / dam
3,4-Methylphenol	ND	ug/L		10		06/27/07 22:32 / dam
3-Nitroaniline	ND	ug/L		10		06/27/07 22:32 / dam
4,6-Dinitro-2-methylphenol	ND	ug/L		10		06/27/07 22:32 / dam
4-Bromophenyl phenyl ether	ND	ug/L		10		06/27/07 22:32 / dam
4-Chloro-3-methylphenol	ND	ug/L		10		06/27/07 22:32 / dam
4-Chloroaniline	ND	ug/L		10		06/27/07 22:32 / dam
4-Chlorophenyl phenyl ether	ND	ug/L		10		06/27/07 22:32 / dam
4-Nitroaniline	ND	ug/L		10		06/27/07 22:32 / dam
4-Nitrophenol	ND	ug/L		50		06/27/07 22:32 / dam
Acenaphthene	ND	ug/L		10		06/27/07 22:32 / dam
Acenaphthylene	ND	ug/L		10		06/27/07 22:32 / dam
Anthracene	ND	ug/L		10		06/27/07 22:32 / dam
Benzo(a)anthracene	ND	ug/L		10		06/27/07 22:32 / dam
Benzo(a)pyrene	ND	ug/L		10		06/27/07 22:32 / dam
Benzo(b)fluoranthene	ND	ug/L		10		06/27/07 22:32 / dam
Benzo(g,h,i)perylene	ND	ug/L		10		06/27/07 22:32 / dam
Benzo(k)fluoranthene	ND	ug/L		10		06/27/07 22:32 / dam
Bis(2-Chloroethoxy)methane	ND	ug/L		10		06/27/07 22:32 / dam
Bis(2-Chloroethyl)ether	ND	ug/L		10		06/27/07 22:32 / dam
Bis(2-Chloroisopropyl)ether	ND	ug/L		10		06/27/07 22:32 / dam
Bis(2-Ethylhexyl)phthalate	ND	ug/L		20		06/27/07 22:32 / dam

Reporting Limit - Analyte reporting limit.
Qualifiers: QCL - Quality control limit. MCL - Maximum contaminant level. ND - Not detected at reporting limit.
B - Poor method performance. Analyte concentration found in method blank is greater than the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings
Lab ID: B07090939-004
Client Sample ID: BSB-GW-04

Report Date: 09/26/07
Collection Date: 09/10/07 12:55
DateReceived: 09/12/07
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Benzo(a)anthracene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Benzo(a)pyrene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Benzo(b)fluoranthene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Benzo(g,h,i)perylene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Benzo(k)fluoranthene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Benzyl alcohol	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
bis(-2-chloroethoxy)Methane	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
bis(-2-chloroethyl)Ether	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
bis(2-chloroisopropyl)Ether	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
bis(2-ethylhexyl)Phthalate	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Butylbenzylphthalate	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Chlorobenzilate	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Chrysene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Diallate	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Dibenzo(a,h)anthracene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Dibenzofuran	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Diethyl phthalate	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Dimethoate	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Dimethyl phthalate	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Di-n-butyl phthalate	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Di-n-octyl phthalate	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Diphenylamine	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Disulfoton	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Ethyl methanesulfonate	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Famphur	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Fluoranthene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Fluorene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Hexachlorobenzene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Hexachlorobutadiene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Hexachlorocyclopentadiene	ND	ug/L		20		SW8270C	09/17/07 22:32 / dsm
Hexachloroethane	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Hexachlorophene	ND	ug/L	P			SW8270C	09/17/07 22:32 / dsm
Hexachloropropene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Indeno(1,2,3-cd)pyrene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Isophorone	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Isosafrole	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
m+p-Cresols	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Methapyrilene	ND	ug/L	P			SW8270C	09/17/07 22:32 / dsm
Methyl methanesulfonate	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Methyl parathion	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Naphthalene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Nitrobenzene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings
Lab ID: B07090939-004
Client Sample ID: BSB-GW-04

Report Date: 09/26/07
Collection Date: 09/10/07 12:55
DateReceived: 09/12/07
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
n-Nitrosodiethylamine	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
n-Nitrosodimethylamine	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
n-Nitroso-di-n-butylamine	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
n-Nitroso-di-n-propylamine	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
n-Nitrosodiphenylamine	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
n-Nitrosomethylethylamine	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
n-Nitrosomorpholine	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
n-Nitrosopiperidine	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
n-Nitrosopyrrolidine	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
o,o,o-Triethyl phosphorothioate	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
o-Cresol	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
o-Toluidine	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
p-(dimethylamino)Azobenzene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Parathion	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
p-Chloroaniline	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Pentachlorobenzene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Pentachloronitrobenzene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Pentachlorophenol	ND	ug/L		50		SW8270C	09/17/07 22:32 / dsm
Phenacetin	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Phenanthrene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Phenol	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Phorate	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Pronamide	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Pyrene	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Pyridine	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Safrole	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Sulfotep	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Thionazin	ND	ug/L		10		SW8270C	09/17/07 22:32 / dsm
Surr: 2,4,6-Tribromophenol	49.0	%REC		10-123		SW8270C	09/17/07 22:32 / dsm
Surr: 2-Fluorobiphenyl	46.0	%REC		43-116		SW8270C	09/17/07 22:32 / dsm
Surr: 2-Fluorophenol	29.0	%REC		21-100		SW8270C	09/17/07 22:32 / dsm
Surr: Nitrobenzene-d5	45.0	%REC		35-114		SW8270C	09/17/07 22:32 / dsm
Surr: Phenol-d5	23.0	%REC		10-94		SW8270C	09/17/07 22:32 / dsm
Surr: Terphenyl-d14	30.0	%REC	S	33-141		SW8270C	09/17/07 22:32 / dsm
HERBICIDES, CHLORINATED							
2,4-D	ND	ug/L		1.0		SW8151A	09/22/07 23:31 / jml
Dinoseb	ND	ug/L		1.0		SW8151A	09/22/07 23:31 / jml
2,4,5-T	ND	ug/L		0.20		SW8151A	09/22/07 23:31 / jml
2,4,5-TP (Silvex)	ND	ug/L		0.20		SW8151A	09/22/07 23:31 / jml
Surr: DCAA	104	%REC		57-125		SW8151A	09/22/07 23:31 / jml

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
S - Spike recovery outside of advisory limits.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings
Lab ID: B07090939-005
Client Sample ID: Trip Blank 1 Lot# 082707, B-JM, SHP0232

Report Date: 09/26/07
Collection Date: 09/10/07 12:00
DateReceived: 09/12/07
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	09/22/07 15:48 / sbd
Acetonitrile	ND	ug/L		20		SW8260B	09/22/07 15:48 / sbd
Acrolein	ND	ug/L		20		SW8260B	09/22/07 15:48 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	09/22/07 15:48 / sbd
Allyl chloride	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
Benzene	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
Chloroprene	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	09/22/07 15:48 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings
Lab ID: B07090939-005
Client Sample ID: Trip Blank 1 Lot# 082707, B-JM, SHP0232

Report Date: 09/26/07
Collection Date: 09/10/07 12:00
DateReceived: 09/12/07
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Isobutanol	ND	ug/L		50		SW8260B	09/22/07 15:48 / sbd
Methacrylonitrile	ND	ug/L		20		SW8260B	09/22/07 15:48 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	09/22/07 15:48 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	09/22/07 15:48 / sbd
Methyl methacrylate	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
Naphthalene	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
Pentachloroethane	ND	ug/L		2.0		SW8260B	09/22/07 15:48 / sbd
Propionitrile	ND	ug/L		20		SW8260B	09/22/07 15:48 / sbd
Styrene	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
Toluene	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	09/22/07 15:48 / sbd
Surr: 1,2-Dichloroethane-d4	95.0	%REC		70-130		SW8260B	09/22/07 15:48 / sbd
Surr: Dibromofluoromethane	100	%REC		77-126		SW8260B	09/22/07 15:48 / sbd
Surr: p-Bromofluorobenzene	105	%REC		76-127		SW8260B	09/22/07 15:48 / sbd
Surr: Toluene-d8	100	%REC		79-122		SW8260B	09/22/07 15:48 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings
Lab ID: B07090939-006
Client Sample ID: Trip Blank 2 Lot# 082907, B-JM, SH20232

Report Date: 09/26/07
Collection Date: 09/10/07 12:55
DateReceived: 09/12/07
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	17	ug/L	J	20		SW8260B	09/22/07 16:28 / sbd
Acetonitrile	ND	ug/L		20		SW8260B	09/22/07 16:28 / sbd
Acrolein	ND	ug/L		20		SW8260B	09/22/07 16:28 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	09/22/07 16:28 / sbd
Allyl chloride	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
Benzene	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
Chloroprene	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	09/22/07 16:28 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Bluffs Blue Blue Blues Valve Dept
Project: Dell Lumbell Site Tanks
Lab ID: [illegible]
Client Sample ID: This Site is 2 Due [illegible]

Report Date: [illegible]
Collection Date: [illegible]
Date Received: [illegible]
Matrix: Tire Stuff

Analyte	Result	Units	Qualifiers	RL	MCL DCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	17	ug/L		20		SW8260B	[illegible]
Acrylonitrile	ND	ug/L		20		SW8260B	[illegible]
Benzene	ND	ug/L		10		SW8260B	[illegible]
Bromobenzene	ND	ug/L		10		SW8260B	[illegible]
Bromochloromethane	ND	ug/L		10		SW8260B	[illegible]
Bromodichloromethane	ND	ug/L		10		SW8260B	[illegible]
Bromoform	ND	ug/L		10		SW8260B	[illegible]
Bromomethane	ND	ug/L		10		SW8260B	[illegible]
2-Butanone (MEK)	ND	ug/L		10		SW8260B	[illegible]
n-Butylbenzene	ND	ug/L		10		SW8260B	[illegible]
sec-Butylbenzene	ND	ug/L		10		SW8260B	[illegible]
tert-Butylbenzene	ND	ug/L		10		SW8260B	[illegible]
Carbon tetrachloride	ND	ug/L		10		SW8260B	[illegible]
Chlorobenzene	ND	ug/L		10		SW8260B	[illegible]
Chlorodibromomethane	ND	ug/L		10		SW8260B	[illegible]
Chloroethane	ND	ug/L		10		SW8260B	[illegible]
Chloroform	ND	ug/L		10		SW8260B	[illegible]
Chloromethane	ND	ug/L		10		SW8260B	[illegible]
2-Chlorotoluene	ND	ug/L		10		SW8260B	[illegible]
4-Chlorotoluene	ND	ug/L		10		SW8260B	[illegible]
Dibromomethane	ND	ug/L		10		SW8260B	[illegible]
1,2-Dichlorobenzene	ND	ug/L		10		SW8260B	[illegible]
1,3-Dichlorobenzene	ND	ug/L		10		SW8260B	[illegible]
1,4-Dichlorobenzene	ND	ug/L		10		SW8260B	[illegible]
Dichlorodifluoromethane	ND	ug/L		10		SW8260B	[illegible]
1,1-Dichloroethane	ND	ug/L		10		SW8260B	[illegible]
1,2-Dichloroethane	ND	ug/L		10		SW8260B	[illegible]
1,1-Dichloroethylene	ND	ug/L		10		SW8260B	[illegible]
1,2-Dichloroethylene	ND	ug/L		10		SW8260B	[illegible]
1,3-Dichloropropane	ND	ug/L		10		SW8260B	[illegible]
2,2-Dichloropropane	ND	ug/L		10		SW8260B	[illegible]
1,1-Dichloropropene	ND	ug/L		10		SW8260B	[illegible]
Ethylbenzene	ND	ug/L		10		SW8260B	[illegible]
Hexachlorobutadiene	ND	ug/L		10		SW8260B	[illegible]
Isopropylbenzene	ND	ug/L		10		SW8260B	[illegible]
4-Isopropylbenzene	ND	ug/L		10		SW8260B	[illegible]
Methylene chloride	ND	ug/L		10		SW8260B	[illegible]
4-Methyl-2-pentanone (MIBK)	ND	ug/L		10		SW8260B	[illegible]
Naphthalene	ND	ug/L		10		SW8260B	[illegible]
n-Propylbenzene	ND	ug/L		10		SW8260B	[illegible]
Styrene	ND	ug/L		10		SW8260B	[illegible]
1,1,1,2-Tetrachloroethane	ND	ug/L		10		SW8260B	[illegible]
1,1,2,2-Tetrachloroethane	ND	ug/L		10		SW8260B	[illegible]
Tetrachloroethylene	ND	ug/L		10		SW8260B	[illegible]
Toluene	ND	ug/L		10		SW8260B	[illegible]
1,2,3-Trichlorobenzene	ND	ug/L		10		SW8260B	[illegible]
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8260B	[illegible]
1,1,1-Trichloroethane	ND	ug/L		10		SW8260B	[illegible]
1,1,2-Trichloroethane	ND	ug/L		10		SW8260B	[illegible]
Trichloroethylene	ND	ug/L		10		SW8260B	[illegible]
Trichlorofluoromethane	ND	ug/L		10		SW8260B	[illegible]
1,2,3-Trichloropropane	ND	ug/L		10		SW8260B	[illegible]
1,2,4-Trimethylbenzene	ND	ug/L		10		SW8260B	[illegible]
1,3,5-Trimethylbenzene	ND	ug/L		10		SW8260B	[illegible]
Vinyl chloride	ND	ug/L		10		SW8260B	[illegible]
Xylene (total)	ND	ug/L		10		SW8260B	[illegible]
Xylene-1,4-dichlorobenzene	ND	ug/L		10		SW8260B	[illegible]
Chlorobenzene-d5	ND	ug/L		10		SW8260B	[illegible]
1,1-Dichloroethane	ND	ug/L		10		SW8260B	[illegible]
1,2-Dichloroethane	ND	ug/L		10		SW8260B	[illegible]
1,1-Dichloroethylene	ND	ug/L		10		SW8260B	[illegible]
1,2-Dichloroethylene	ND	ug/L		10		SW8260B	[illegible]
1,3-Dichloropropane	ND	ug/L		10		SW8260B	[illegible]
2,2-Dichloropropane	ND	ug/L		10		SW8260B	[illegible]
1,1-Dichloropropene	ND	ug/L		10		SW8260B	[illegible]
Ethylbenzene	ND	ug/L		10		SW8260B	[illegible]
Hexachlorobutadiene	ND	ug/L		10		SW8260B	[illegible]
Isopropylbenzene	ND	ug/L		10		SW8260B	[illegible]
4-Isopropylbenzene	ND	ug/L		10		SW8260B	[illegible]
Methylene chloride	ND	ug/L		10		SW8260B	[illegible]
4-Methyl-2-pentanone (MIBK)	ND	ug/L		10		SW8260B	[illegible]
Naphthalene	ND	ug/L		10		SW8260B	[illegible]
n-Propylbenzene	ND	ug/L		10		SW8260B	[illegible]
Styrene	ND	ug/L		10		SW8260B	[illegible]
1,1,1,2-Tetrachloroethane	ND	ug/L		10		SW8260B	[illegible]
1,1,2,2-Tetrachloroethane	ND	ug/L		10		SW8260B	[illegible]
Tetrachloroethylene	ND	ug/L		10		SW8260B	[illegible]
Toluene	ND	ug/L		10		SW8260B	[illegible]
1,2,3-Trichlorobenzene	ND	ug/L		10		SW8260B	[illegible]
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8260B	[illegible]
1,1,1-Trichloroethane	ND	ug/L		10		SW8260B	[illegible]
1,1,2-Trichloroethane	ND	ug/L		10		SW8260B	[illegible]
Trichloroethylene	ND	ug/L		10		SW8260B	[illegible]
Trichlorofluoromethane	ND	ug/L		10		SW8260B	[illegible]
1,2,3-Trichloropropane	ND	ug/L		10		SW8260B	[illegible]
1,2,4-Trimethylbenzene	ND	ug/L		10		SW8260B	[illegible]
1,3,5-Trimethylbenzene	ND	ug/L		10		SW8260B	[illegible]
Vinyl chloride	ND	ug/L		10		SW8260B	[illegible]
Xylene (total)	ND	ug/L		10		SW8260B	[illegible]
Xylene-1,4-dichlorobenzene	ND	ug/L		10		SW8260B	[illegible]
Chlorobenzene-d5	ND	ug/L		10		SW8260B	[illegible]

Abbreviations: RL - Reporting limit
MDL - Method detection limit
MCL - Maximum contaminant level
ND - Not detected at the reporting limit
Qualifiers: [illegible]
[illegible]

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings
Lab ID: B07090939-006
Client Sample ID: Trip Blank 2 Lot# 082907, B-JM, SH20232

Report Date: 09/26/07
Collection Date: 09/10/07 12:55
DateReceived: 09/12/07
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Isobutanol	ND	ug/L		50		SW8260B	09/22/07 16:28 / sbd
Methacrylonitrile	ND	ug/L		20		SW8260B	09/22/07 16:28 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	09/22/07 16:28 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	09/22/07 16:28 / sbd
Methyl methacrylate	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
Naphthalene	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
Pentachloroethane	ND	ug/L		2.0		SW8260B	09/22/07 16:28 / sbd
Propionitrile	ND	ug/L		20		SW8260B	09/22/07 16:28 / sbd
Styrene	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
Toluene	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	09/22/07 16:28 / sbd
Surr: 1,2-Dichloroethane-d4	96.0	%REC		70-130		SW8260B	09/22/07 16:28 / sbd
Surr: Dibromofluoromethane	101	%REC		77-126		SW8260B	09/22/07 16:28 / sbd
Surr: p-Bromofluorobenzene	105	%REC		76-127		SW8260B	09/22/07 16:28 / sbd
Surr: Toluene-d8	106	%REC		79-122		SW8260B	09/22/07 16:28 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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800-735-4489 • 406-252-6325 • 406-252-6069 fax • eli@energylab.com

QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings

Report Date: 09/23/07
Work Order: B07090939

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R99803
Sample ID: lcs092107	Laboratory Control Sample				Run: 5971A.I_070921B				09/21/07 13:23
Acetone	35.0	ug/L	20	70	62	130			
Acetonitrile	48.0	ug/L	20	96	54	142			
Acrolein	48.4	ug/L	20	97	22	203			
Acrylonitrile	49.6	ug/L	20	99	60	130			
Benzene	5.52	ug/L	1.0	110	71	133			
Bromochloromethane	5.20	ug/L	1.0	104	68	131			
Bromodichloromethane	5.32	ug/L	1.0	106	67	138			
Bromoform	5.20	ug/L	1.0	104	64	136			
Bromomethane	5.40	ug/L	1.0	108	60	138			
Carbon disulfide	4.40	ug/L	1.0	88	46	145			
Carbon tetrachloride	5.68	ug/L	1.0	114	61	144			
Chlorobenzene	5.64	ug/L	1.0	113	78	136			
Chlorodibromomethane	5.12	ug/L	1.0	102	72	136			
Chloroethane	4.56	ug/L	1.0	91	64	136			
Chloroform	5.44	ug/L	1.0	109	69	133			
Chloromethane	4.40	ug/L	1.0	88	63	149			
1,2-Dibromo-3-chloropropane	5.48	ug/L	1.0	110	63	125			
1,2-Dibromoethane	5.56	ug/L	1.0	111	75	131			
Dibromomethane	5.32	ug/L	1.0	106	72	133			
1,2-Dichlorobenzene	5.76	ug/L	1.0	115	78	129			
1,3-Dichlorobenzene	5.76	ug/L	1.0	115	79	132			
1,4-Dichlorobenzene	5.76	ug/L	1.0	115	78	131			
trans-1,4-Dichloro-2-butene	5.60	ug/L	1.0	112	50	142			
Dichlorodifluoromethane	4.84	ug/L	1.0	97	55	141			
1,1-Dichloroethane	5.24	ug/L	1.0	105	72	130			
1,2-Dichloroethane	5.48	ug/L	1.0	110	57	146			
1,1-Dichloroethene	5.40	ug/L	1.0	108	66	142			
cis-1,2-Dichloroethene	5.28	ug/L	1.0	106	74	133			
trans-1,2-Dichloroethene	5.32	ug/L	1.0	106	76	138			
1,2-Dichloropropane	5.44	ug/L	1.0	109	72	135			
1,3-Dichloropropane	5.36	ug/L	1.0	107	75	134			
2,2-Dichloropropane	6.40	ug/L	1.0	128	42	167			
1,1-Dichloropropene	5.56	ug/L	1.0	111	72	140			
cis-1,3-Dichloropropene	5.60	ug/L	1.0	112	75	132			
trans-1,3-Dichloropropene	6.00	ug/L	1.0	120	77	145			
Ethylbenzene	5.48	ug/L	1.0	110	78	131			
Ethyl methacrylate	4.60	ug/L	1.0	92	54	133			
Hexachlorobutadiene	6.40	ug/L	1.0	128	65	141			
2-Hexanone	45.2	ug/L	20	90	72	131			
Iodomethane	5.84	ug/L	1.0	117	66	132			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Brian Kelly Bros Public Works Dept
Project: Old Lincoln Oak Trees

Report Date: 10/23/07
Work Order: 8070808

Analyte	Result	Units	RL	QA/QC Low Limit	QA/QC Upper Limit	%RD	RPD Acceptance	Qual
Method:								
Analysis Date: 10/23/07	Lucinda's Control Sample				Run: 1071TA1_071023B		Seq: 1023	
Acetone	37.0	ug/L	20	70	82	130		
Acetonitrile	24.0	ug/L	20	66	84	142		
Acrolein	48.4	ug/L	20	67	82	101		
Acrylonitrile	19.8	ug/L	20	63	80	136		
Benzene	5.32	ug/L	1.0	106	77	123		
Bromobenzene	5.25	ug/L	1.0	105	89	131		
Bromochloromethane	5.32	ug/L	1.0	106	87	136		
Bromodichloromethane	5.30	ug/L	1.0	106	84	126		
Bromoform	5.40	ug/L	1.0	108	81	128		
Bromomethane	5.25	ug/L	1.0	105	48	144		
Carbon disulfide	5.25	ug/L	1.0	118	61	146		
Carbon tetrachloride	5.54	ug/L	1.0	111	76	139		
Chlorobenzene	5.27	ug/L	1.0	105	72	128		
Chloroethane	5.59	ug/L	1.0	91	64	128		
Chloroform	5.44	ug/L	1.0	109	81	132		
Chloromethane	5.10	ug/L	1.0	85	61	138		
2-Chlorotoluene	5.46	ug/L	1.0	110	69	135		
4-Chlorotoluene	5.55	ug/L	1.0	111	78	137		
Dibromochloromethane	5.22	ug/L	1.0	104	72	132		
1,2-Dibromoethane	5.16	ug/L	1.0	103	78	129		
1,2-Dichloroethane	5.76	ug/L	1.0	115	78	132		
1,1-Dichloroethane	5.91	ug/L	1.0	118	78	131		
Bromo-1,2-Dichloroethane	5.60	ug/L	1.0	112	69	142		
Dichlorodifluoromethane	4.41	ug/L	1.0	87	45	141		
1,1-Dichloroethene	5.14	ug/L	1.0	103	72	130		
1,2-Dichloroethene	5.16	ug/L	1.0	103	82	146		
1,3-Dichloropropane	5.40	ug/L	1.0	108	80	142		
2,2-Dichloropropane	5.29	ug/L	1.0	106	74	133		
Bromo-1,3-Dichloropropane	5.34	ug/L	1.0	107	79	136		
1,3-Dichloropropene	5.14	ug/L	1.0	103	72	128		
1,4-Dichlorobenzene	5.39	ug/L	1.0	107	73	134		
2,3-Dichlorobenzene	5.40	ug/L	1.0	108	65	137		
1,1-Dichloropropene	5.54	ug/L	1.0	111	72	140		
cis-1,3-Dichloropropene	5.25	ug/L	1.0	112	75	132		
trans-1,3-Dichloropropene	5.60	ug/L	1.0	120	77	143		
Ethylbenzene	5.28	ug/L	1.0	110	78	131		
Ethyl methacrylate	4.00	ug/L	1.0	92	64	137		
Hexachlorobutadiene	5.30	ug/L	1.0	102	69	141		
2-Hexanone	49.2	ug/L	20	90	72	131		
Isopropylbenzene	5.64	ug/L	1.0	107	80	132		

Qualifiers:
RL - Analyte reporting limit.

MDL - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings

Report Date: 09/23/07
Work Order: B07090939

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R99803
Sample ID: lcs092107	Laboratory Control Sample				Run: 5971A.I_070921B				09/21/07 13:23
Methacrylonitrile	49.2	ug/L	20	98	68	122			
Methyl ethyl ketone	43.2	ug/L	20	86	55	145			
Methyl isobutyl ketone	45.6	ug/L	20	91	73	129			
Methyl methacrylate	5.28	ug/L	1.0	106	77	113			
Methylene chloride	5.12	ug/L	1.0	102	73	126			
Naphthalene	5.00	ug/L	1.0	100	55	139			
Propionitrile	45.2	ug/L	20	90	52	143			
Styrene	5.44	ug/L	1.0	109	76	134			
1,1,1,2-Tetrachloroethane	5.64	ug/L	1.0	113	75	135			
1,1,2,2-Tetrachloroethane	5.44	ug/L	1.0	109	72	132			
Tetrachloroethene	5.60	ug/L	1.0	112	78	137			
Toluene	5.56	ug/L	1.0	111	78	134			
1,2,4-Trichlorobenzene	5.36	ug/L	1.0	107	58	142			
1,1,1-Trichloroethane	5.60	ug/L	1.0	112	64	141			
1,1,2-Trichloroethane	5.52	ug/L	1.0	110	72	133			
Trichloroethene	5.60	ug/L	1.0	112	75	138			
Trichlorofluoromethane	4.92	ug/L	1.0	98	58	139			
1,2,3-Trichloropropane	4.92	ug/L	1.0	98	67	133			
Vinyl acetate	4.56	ug/L	1.0	91	31	124			
Vinyl chloride	4.88	ug/L	1.0	98	66	140			
m+p-Xylenes	11.1	ug/L	1.0	111	78	133			
o-Xylene	5.56	ug/L	1.0	111	79	136			
Surr: 1,2-Dichloroethane-d4			1.0	99	70	130			
Surr: Dibromofluoromethane			1.0	103	77	126			
Surr: p-Bromofluorobenzene			1.0	106	76	127			
Surr: Toluene-d8			1.0	106	79	122			
Sample ID: lcsa092107	Laboratory Control Sample				Run: 5971A.I_070921B				09/21/07 14:01
Allyl chloride	5.60	ug/L	1.0	112	68	126			
Chloroprene	5.88	ug/L	1.0	118	68	120			
Isobutanol	124	ug/L	50	99	71	137			
Pentachloroethane	6.60	ug/L	1.0	132	42	135			
Surr: 1,2-Dichloroethane-d4			1.0	98	70	130			
Surr: Dibromofluoromethane			1.0	101	77	126			
Surr: p-Bromofluorobenzene			1.0	106	76	127			
Surr: Toluene-d8			1.0	105	79	122			
Sample ID: blk092107	Method Blank				Run: 5971A.I_070921B				09/21/07 14:40
Acetone	ND	ug/L	20						
Acetonitrile	ND	ug/L	20						
Acrolein	ND	ug/L	20						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

CAEQC Summary Report

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings

Report Date: 09/23/07
Work Order: B07090939

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R99803
Sample ID: blk092107	Method Blank				Run: 5971A.I_070921B				09/21/07 14:40
Acrylonitrile	ND	ug/L	20						
Allyl chloride	ND	ug/L	1.0						
Benzene	ND	ug/L	1.0						
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
Carbon disulfide	ND	ug/L	1.0						
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
Chloroprene	ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
1,2-Dibromoethane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						
1,2-Dichlorobenzene	ND	ug/L	1.0						
1,3-Dichlorobenzene	ND	ug/L	1.0						
1,4-Dichlorobenzene	ND	ug/L	1.0						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0						
Dichlorodifluoromethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						
1,2-Dichloroethane	ND	ug/L	1.0						
1,1-Dichloroethene	ND	ug/L	1.0						
cis-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						
1,2-Dichloropropane	ND	ug/L	1.0						
1,3-Dichloropropane	ND	ug/L	1.0						
2,2-Dichloropropane	ND	ug/L	1.0						
1,1-Dichloropropene	ND	ug/L	1.0						
cis-1,3-Dichloropropene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						
Ethylbenzene	ND	ug/L	1.0						
Ethyl methacrylate	ND	ug/L	1.0						
Hexachlorobutadiene	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						
Iodomethane	ND	ug/L	1.0						
Isobutanol	ND	ug/L	50						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings

Report Date: 09/23/07
Work Order: B07090939

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R99803
Sample ID: blk092107	Method Blank				Run: 5971A.I_070921B				09/21/07 14:40
Methacrylonitrile	ND	ug/L	20						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methyl methacrylate	ND	ug/L	1.0						
Methylene chloride	ND	ug/L	1.0						
Naphthalene	ND	ug/L	1.0						
Pentachloroethane	ND	ug/L	1.0						
Propionitrile	ND	ug/L	20						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,2,4-Trichlorobenzene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Xylenes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	98	70	130			
Surr: Dibromofluoromethane			1.0	102	77	126			
Surr: p-Bromofluorobenzene			1.0	110	76	127			
Surr: Toluene-d8			1.0	100	79	122			
Sample ID: B07090939-001Cms	Sample Matrix Spike				Run: 5971A.I_070921B				09/21/07 21:54
Benzene	10.6	ug/L	2.0	106	71	133			
Chlorobenzene	11.1	ug/L	2.0	111	78	136			
1,1-Dichloroethene	9.44	ug/L	2.0	94	66	142			
Toluene	11.0	ug/L	2.0	110	78	134			
Trichloroethene	10.8	ug/L	2.0	108	75	138			
Surr: 1,2-Dichloroethane-d4			2.0	92	70	130			
Surr: Dibromofluoromethane			2.0	99	77	126			
Surr: p-Bromofluorobenzene			2.0	103	76	127			
Surr: Toluene-d8			2.0	104	79	122			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings

Report Date: 09/23/07
Work Order: B07090939

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R99803
Sample ID: B07090939-001Cmsd	Sample Matrix Spike Duplicate				Run: 5971A.I_070921B				09/21/07 22:36
Benzene	11.8	ug/L	2.0	118	71	133	11	20	
Chlorobenzene	12.6	ug/L	2.0	126	78	136	12	20	
1,1-Dichloroethene	10.9	ug/L	2.0	109	66	142	14	20	
Toluene	12.2	ug/L	2.0	122	78	134	9.7	20	
Trichloroethene	12.3	ug/L	2.0	123	75	138	13	20	
Surr: 1,2-Dichloroethane-d4			2.0	92	70	130			
Surr: Dibromofluoromethane			2.0	100	77	126			
Surr: p-Bromofluorobenzene			2.0	103	76	127			
Surr: Toluene-d8			2.0	106	79	122			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings

Report Date: 09/23/07
Work Order: B07090939

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R99804
Sample ID: blka092207	Method Blank				Run: 5971A.I_070922A				09/22/07 12:29
Acetone	ND	ug/L	20						
Acetonitrile	ND	ug/L	20						
Acrolein	ND	ug/L	20						
Acrylonitrile	ND	ug/L	20						
Benzene	ND	ug/L	1.0						
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
Carbon disulfide	ND	ug/L	1.0						
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
1,2-Dibromoethane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						
1,2-Dichlorobenzene	ND	ug/L	1.0						
1,3-Dichlorobenzene	ND	ug/L	1.0						
1,4-Dichlorobenzene	ND	ug/L	1.0						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0						
Dichlorodifluoromethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						
1,2-Dichloroethane	ND	ug/L	1.0						
1,1-Dichloroethene	ND	ug/L	1.0						
cis-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						
1,2-Dichloropropane	ND	ug/L	1.0						
1,3-Dichloropropane	ND	ug/L	1.0						
2,2-Dichloropropane	ND	ug/L	1.0						
1,1-Dichloropropene	ND	ug/L	1.0						
cis-1,3-Dichloropropene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						
Ethylbenzene	ND	ug/L	1.0						
Ethyl methacrylate	ND	ug/L	1.0						
Hexachlorobutadiene	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						
Iodomethane	ND	ug/L	1.0						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings

Report Date: 09/23/07
Work Order: B07090939

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R99804
Sample ID: blka092207	Method Blank				Run: 5971A.I_070922A				09/22/07 12:29
Methacrylonitrile	ND	ug/L	20						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methyl methacrylate	ND	ug/L	1.0						
Methylene chloride	ND	ug/L	1.0						
Naphthalene	ND	ug/L	1.0						
Propionitrile	ND	ug/L	20						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,2,4-Trichlorobenzene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Xylenes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	88	70	130			
Surr: Dibromofluoromethane			1.0	96	77	126			
Surr: p-Bromofluorobenzene			1.0	106	76	127			
Surr: Toluene-d8			1.0	102	79	122			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings

Report Date: 09/18/07
Work Order: B07090939

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 28709
Sample ID: LCS-28709	Laboratory Control Sample				Run: SV5973N.I_070913A				09/13/07 22:26
1,2,4-Trichlorobenzene	62.9	ug/L	10	63	31	87			
1,2-Dichlorobenzene	54.6	ug/L	10	55	33	76			
1,3-Dichlorobenzene	54.8	ug/L	10	55	31	74			
1,4-Dichlorobenzene	52.2	ug/L	10	52	30	74			
1-Methylnaphthalene	73.4	ug/L	10	73	36	95			
2,4,5-Trichlorophenol	78.8	ug/L	10	79	27	100			
2,4,6-Trichlorophenol	79.9	ug/L	10	80	21	130			
2,4-Dichlorophenol	68.8	ug/L	10	69	35	86			
2,4-Dimethylphenol	71.0	ug/L	10	71	33	92			
2,4-Dinitrophenol	75.8	ug/L	50	76	10	112			
2,4-Dinitrotoluene	87.8	ug/L	10	88	44	110			
2,6-Dinitrotoluene	87.2	ug/L	10	87	40	113			
2-Chloronaphthalene	72.3	ug/L	10	72	38	100			
2-Chlorophenol	61.8	ug/L	10	62	30	77			
2-Methylnaphthalene	70.6	ug/L	10	71	36	89			
2-Nitroaniline	94.2	ug/L	10	94	38	98			
2-Nitrophenol	65.6	ug/L	10	66	31	94			
3,3'-Dichlorobenzidine	84.4	ug/L	20	84	29	110			
3-Nitroaniline	84.7	ug/L	10	85	33	86			
4,6-Dinitro-2-methylphenol	86.5	ug/L	50	87	10	118			
4-Bromophenyl phenyl ether	76.5	ug/L	10	77	36	109			
4-Chloro-2-methylphenol	68.4	ug/L	10	68	36	89			
4-Chloro-3-methylphenol	69.5	ug/L	10	70	36	95			
4-Chlorophenol	67.5	ug/L	10	68	25	91			
4-Chlorophenyl phenyl ether	81.3	ug/L	10	81	38	107			
4-Nitroaniline	85.3	ug/L	10	85	34	102			
4-Nitrophenol	35.4	ug/L	50	35	10	49			
Acenaphthene	77.7	ug/L	10	78	43	97			
Acenaphthylene	78.4	ug/L	10	78	45	94			
Aniline	29.7	ug/L	10	30	10	38			
Anthracene	80.6	ug/L	10	81	50	106			
Azobenzene	77.7	ug/L	10	78	41	103			
Benzidine	128	ug/L	20	128	10	142			
Benzo(a)anthracene	88.6	ug/L	10	89	39	121			
Benzo(a)pyrene	80.4	ug/L	10	80	42	109			
Benzo(b)fluoranthene	83.1	ug/L	10	83	32	124			
Benzo(g,h,i)perylene	91.0	ug/L	10	91	42	117			
Benzo(k)fluoranthene	86.2	ug/L	10	86	46	104			
Benzyl alcohol	58.8	ug/L	10	59	27	64			
bis(-2-chloroethoxy)Methane	71.4	ug/L	10	71	33	93			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings

Report Date: 09/18/07
Work Order: B07090939

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 28709
Sample ID: LCS-28709	Laboratory Control Sample				Run: SV5973N.I_070913A				09/13/07 22:26
bis(-2-chloroethyl)Ether	65.0	ug/L	10	65	28	91			
bis(2-chloroisopropyl)Ether	63.6	ug/L	10	64	33	87			
bis(2-ethylhexyl)Phthalate	85.3	ug/L	10	85	13	127			
Butylbenzylphthalate	85.4	ug/L	10	85	31	118			
Chrysene	85.5	ug/L	10	86	47	110			
Dibenzo(a,h)anthracene	89.1	ug/L	10	89	44	114			
Dibenzofuran	79.1	ug/L	10	79	44	90			
Diethyl phthalate	83.6	ug/L	10	84	38	109			
Dimethyl phthalate	78.4	ug/L	10	78	36	110			
Di-n-butyl phthalate	87.6	ug/L	10	88	33	117			
Di-n-octyl phthalate	85.2	ug/L	10	85	25	123			
Fluoranthene	89.2	ug/L	10	89	45	117			
Fluorene	72.2	ug/L	10	72	42	104			
Hexachlorobenzene	75.4	ug/L	10	75	36	109			
Hexachlorobutadiene	61.0	ug/L	10	61	27	83			
Hexachlorocyclopentadiene	68.2	ug/L	20	68	30	85			
Hexachloroethane	54.8	ug/L	10	55	28	72			
Indeno(1,2,3-cd)pyrene	98.3	ug/L	10	98	35	123			
Isophorone	73.6	ug/L	10	74	36	99			
m+p-Cresols	61.5	ug/L	10	62	30	70			
Naphthalene	67.7	ug/L	10	68	37	88			
Nitrobenzene	63.4	ug/L	10	63	35	86			
n-Nitrosodimethylamine	34.9	ug/L	10	35	19	43			
n-Nitroso-di-n-propylamine	74.2	ug/L	10	74	34	102			
n-Nitrosodiphenylamine	84.8	ug/L	10	85	33	106			
o-Cresol	66.1	ug/L	10	66	31	76			
p-Chloroaniline	71.4	ug/L	10	71	20	80			
Pentachlorophenol	90.1	ug/L	50	90	24	117			
Phenanthrene	86.8	ug/L	10	87	38	113			
Phenol	40.8	ug/L	10	41	18	48			
Pyrene	83.5	ug/L	10	84	39	115			
Pyridine	30.2	ug/L	10	30	11	38			
Surr: 2,4,6-Tribromophenol			10	89	21	130			
Surr: 2-Fluorobiphenyl			10	68	28	107			
Surr: 2-Fluorophenol			10	44	20	56			
Surr: Nitrobenzene-d5			10	73	32	94			
Surr: Phenol-d5			10	36	19	45			
Surr: Terphenyl-d14			10	91	32	122			
Sample ID: B07090766-001BMS	Sample Matrix Spike				Run: SV5973N.I_070913A				09/13/07 23:28
1,2,4-Trichlorobenzene	61.8	ug/L	20	62	31	87			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings

Report Date: 09/18/07
Work Order: B07090939

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 28709
Sample ID: B07090766-001BMS	Sample Matrix Spike				Run: SV5973N.I_070913A				09/13/07 23:28
1,2-Dichlorobenzene	48.4	ug/L	20	48	33	76			
1,3-Dichlorobenzene	55.4	ug/L	20	55	31	74			
1,4-Dichlorobenzene	55.6	ug/L	20	56	30	74			
1-Methylnaphthalene	65.4	ug/L	20	65	36	95			
2,4,5-Trichlorophenol	69.8	ug/L	20	70	27	100			
2,4,6-Trichlorophenol	59.8	ug/L	20	60	21	130			
2,4-Dichlorophenol	57.6	ug/L	20	58	35	86			
2,4-Dimethylphenol	65.4	ug/L	20	65	33	92			
2,4-Dinitrophenol	26.6	ug/L	100	27	10	112			
2,4-Dinitrotoluene	81.0	ug/L	20	81	44	110			
2,6-Dinitrotoluene	75.6	ug/L	20	76	40	113			
2-Chloronaphthalene	68.6	ug/L	20	69	38	100			
2-Chlorophenol	56.0	ug/L	20	56	30	77			
2-Methylnaphthalene	68.6	ug/L	20	69	36	89			
2-Nitroaniline	69.8	ug/L	20	70	38	98			
2-Nitrophenol	62.2	ug/L	20	62	31	94			
3,3'-Dichlorobenzidine	52.8	ug/L	40	53	29	110			
3-Nitroaniline	61.6	ug/L	20	62	33	86			
4,6-Dinitro-2-methylphenol	39.4	ug/L	100	39	10	118			
4-Bromophenyl phenyl ether	69.6	ug/L	20	70	36	109			
4-Chloro-2-methylphenol	66.4	ug/L	20	66	36	89			
4-Chloro-3-methylphenol	68.0	ug/L	20	68	36	95			
4-Chlorophenol	57.2	ug/L	20	57	25	91			
4-Chlorophenyl phenyl ether	72.2	ug/L	20	72	38	107			
4-Nitroaniline	72.0	ug/L	20	72	34	102			
4-Nitrophenol	24.8	ug/L	100	25	10	49			
Acenaphthene	68.8	ug/L	20	69	43	97			
Acenaphthylene	67.8	ug/L	20	68	45	94			
Aniline	22.6	ug/L	20	23	10	38			
Anthracene	76.0	ug/L	20	76	50	106			
Azobenzene	73.2	ug/L	20	73	41	103			
Benzidine	55.6	ug/L	40	56	10	142			
Benzo(a)anthracene	74.6	ug/L	20	75	39	121			
Benzo(a)pyrene	78.6	ug/L	20	79	42	109			
Benzo(b)fluoranthene	72.8	ug/L	20	73	32	124			
Benzo(g,h,i)perylene	74.6	ug/L	20	75	42	117			
Benzo(k)fluoranthene	76.0	ug/L	20	76	46	104			
Benzyl alcohol	53.6	ug/L	20	54	27	64			
bis(-2-chloroethoxy)Methane	63.4	ug/L	20	63	33	93			
bis(-2-chloroethyl)Ether	60.0	ug/L	20	60	28	91			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings

Report Date: 09/18/07
Work Order: B07090939

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 28709
Sample ID: B07090766-001BMS	Sample Matrix Spike				Run: SV5973N.I_070913A				09/13/07 23:28
bis(2-chloroisopropyl)Ether	60.8	ug/L	20	61	33	87			
bis(2-ethylhexyl)Phthalate	63.2	ug/L	20	63	13	127			
Butylbenzylphthalate	73.6	ug/L	20	74	31	118			
Chrysene	79.0	ug/L	20	79	47	110			
Dibenzo(a,h)anthracene	70.0	ug/L	20	70	44	114			
Dibenzofuran	72.2	ug/L	20	72	44	90			
Diethyl phthalate	78.8	ug/L	20	79	38	109			
Dimethyl phthalate	72.8	ug/L	20	73	36	110			
Di-n-butyl phthalate	75.6	ug/L	20	76	33	117			
Di-n-octyl phthalate	61.2	ug/L	20	61	25	123			
Fluoranthene	78.6	ug/L	20	79	45	117			
Fluorene	72.8	ug/L	20	73	42	104			
Hexachlorobenzene	66.8	ug/L	20	67	36	109			
Hexachlorobutadiene	61.0	ug/L	20	61	27	83			
Hexachlorocyclopentadiene	59.4	ug/L	40	59	30	85			
Hexachloroethane	50.4	ug/L	20	50	28	72			
Indeno(1,2,3-cd)pyrene	74.2	ug/L	20	74	35	123			
Isophorone	64.2	ug/L	20	64	36	99			
m+p-Cresols	58.0	ug/L	20	58	30	70			
Naphthalene	63.0	ug/L	20	63	37	88			
Nitrobenzene	63.6	ug/L	20	64	35	86			
n-Nitrosodimethylamine	33.8	ug/L	20	34	19	43			
n-Nitroso-di-n-propylamine	63.2	ug/L	20	63	34	102			
n-Nitrosodiphenylamine	68.0	ug/L	20	68	33	106			
o-Cresol	60.2	ug/L	20	60	31	76			
p-Chloroaniline	53.2	ug/L	20	53	20	80			
Pentachlorophenol	62.0	ug/L	100	62	24	117			
Phenanthrene	72.6	ug/L	20	73	38	113			
Phenol	46.4	ug/L	20	46	18	48			
Pyrene	76.6	ug/L	20	77	39	115			
Pyridine	22.8	ug/L	20	23	11	38			
Surr: 2,4,6-Tribromophenol			20	70	21	130			
Surr: 2-Fluorobiphenyl			20	65	28	107			
Surr: 2-Fluorophenol			20	40	20	56			
Surr: Nitrobenzene-d5			20	63	32	94			
Surr: Phenol-d5			20	43	19	45			
Surr: Terphenyl-d14			20	74	32	122			
Sample ID: B07090766-002BMS	Sample Matrix Spike				Run: SV5973N.I_070913A				09/14/07 00:30
1,2,4-Trichlorobenzene	61.8	ug/L	20	62	31	87	0.0	40	
1,2-Dichlorobenzene	54.2	ug/L	20	54	33	76	11	40	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

District: Bucks County Parks Works Dept. Report Date: 05/18/07
Project: Old Lumbia Class Tables Work Order: 8012/2007

Analyte	Result	Units	RL	MDL	Lab Limit	High Limit	Prep	Analysis	Qual
Method: SW-846								Run: 12/07/07	
Sample ID: 07-0000-2-0-0-0-0	Sample Matrix: Soil							Run: 12/07/07_07:01:24	05/18/07 12:00
2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.0	pg/L	20	21	20	40			
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.0	pg/L	20	23	45	127			
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.0	pg/L	20	19	31	119			
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	0.0	pg/L	20	23	47	110			
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.0	pg/L	20	20	31	113			
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	0.0	pg/L	20	23	44	96			
Octachlorodibenzo-p-dioxin	0.0	pg/L	20	29	52	109			
2,3,7,8-Tetrachlorodibenzofuran	0.0	pg/L	20	23	54	112			
1,2,3,7,8-Pentachlorodibenzofuran	0.0	pg/L	20	25	49	111			
2,3,4,7,8-Pentachlorodibenzofuran	0.0	pg/L	20	21	49	122			
1,2,3,4,7,8-Hexachlorodibenzofuran	0.0	pg/L	20	19	49	117			
1,2,3,6,7,8-Hexachlorodibenzofuran	0.0	pg/L	20	17	49	101			
1,2,3,7,8,9-Hexachlorodibenzofuran	0.0	pg/L	20	20	49	109			
2,3,4,6,7,8-Hexachlorodibenzofuran	0.0	pg/L	20	21	47	89			
1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.0	pg/L	20	20	36	89			
1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.0	pg/L	20	20	34	72			
Octachlorodibenzofuran	0.0	pg/L	20	19	34	122			
2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.0	pg/L	20	24	35	94			
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.0	pg/L	20	20	35	70			
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.0	pg/L	20	21	37	72			
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	0.0	pg/L	20	24	35	76			
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.0	pg/L	20	24	38	41			
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	0.0	pg/L	20	23	34	102			
Octachlorodibenzo-p-dioxin	0.0	pg/L	20	26	35	106			
2,3,7,8-Tetrachlorodibenzofuran	0.0	pg/L	20	20	31	79			
1,2,3,7,8-Pentachlorodibenzofuran	0.0	pg/L	20	23	29	90			
2,3,4,7,8-Pentachlorodibenzofuran	0.0	pg/L	20	22	29	77			
1,2,3,4,7,8-Hexachlorodibenzofuran	0.0	pg/L	20	22	29	112			
1,2,3,6,7,8-Hexachlorodibenzofuran	0.0	pg/L	20	20	28	42			
1,2,3,7,8,9-Hexachlorodibenzofuran	0.0	pg/L	20	20	27	119			
2,3,4,6,7,8-Hexachlorodibenzofuran	0.0	pg/L	20	22	11	38			
1,2,3,4,6,7,8-Heptachlorodibenzofuran			20	20	20	126			
1,2,3,4,7,8,9-Heptachlorodibenzofuran			20	20	29	107			
Octachlorodibenzofuran			20	21	20	94			
Total 2,3,7,8-Tetrachlorodibenzo-p-dioxin			20	20	20	40			
Total 1,2,3,7,8-Pentachlorodibenzo-p-dioxin			20	23	45	127			
Total 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin			20	19	31	119			
Total 1,2,3,6,7,8-Hexachlorodibenzofuran			20	17	49	101			
Total 1,2,3,4,6,7,8-Heptachlorodibenzofuran			20	20	36	89			
Total Tetrachlorodibenzofuran			20	20	31	79			
Total Pentachlorodibenzofuran			20	22	29	112			
Total Hexachlorodibenzofuran			20	20	28	119			
Total Heptachlorodibenzofuran			20	20	20	126			
Sample ID: 07-0000-2-0-0-0-0	Sample Matrix: Soil							Run: 12/07/07_07:01:24	05/18/07 12:00
13C-2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.0	pg/L	20	22	27	0.0	40		
13C-1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.0	pg/L	20	24	19	11	40		

Qualifiers:
RL - Reporting limit. MDL - Method detection limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings

Report Date: 09/18/07
Work Order: B07090939

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 28709
Sample ID: B07090766-002BMS	Sample Matrix Spike				Run: SV5973N.I_070913A			09/14/07 00:30	
1,3-Dichlorobenzene	52.4	ug/L	20	52	31	74	5.6	40	
1,4-Dichlorobenzene	52.0	ug/L	20	52	30	74	6.7	40	
1-Methylnaphthalene	66.8	ug/L	20	67	36	95	2.1	40	
2,4,5-Trichlorophenol	75.6	ug/L	20	76	27	100	8.0	40	
2,4,6-Trichlorophenol	56.8	ug/L	20	57	21	130	5.1	40	
2,4-Dichlorophenol	61.6	ug/L	20	62	35	86	6.7	40	
2,4-Dimethylphenol	63.4	ug/L	20	63	33	92	3.1	40	
2,4-Dinitrophenol	24.8	ug/L	100	25	10	112	0.0	40	
2,4-Dinitrotoluene	82.0	ug/L	20	82	44	110	1.2	40	
2,6-Dinitrotoluene	78.4	ug/L	20	78	40	113	3.6	40	
2-Chloronaphthalene	70.8	ug/L	20	71	38	100	3.2	40	
2-Chlorophenol	55.0	ug/L	20	55	30	77	1.8	40	
2-Methylnaphthalene	67.8	ug/L	20	68	36	89	1.2	40	
2-Nitroaniline	71.8	ug/L	20	72	38	98	2.8	40	
2-Nitrophenol	62.6	ug/L	20	63	31	94	0.6	40	
3,3´-Dichlorobenzidine	55.0	ug/L	40	55	29	110	4.1	40	
3-Nitroaniline	64.4	ug/L	20	64	33	86	4.4	40	
4,6-Dinitro-2-methylphenol	36.0	ug/L	100	36	10	118	0.0	40	
4-Bromophenyl phenyl ether	68.2	ug/L	20	68	36	109	2.0	40	
4-Chloro-2-methylphenol	67.0	ug/L	20	67	36	89	0.9	40	
4-Chloro-3-methylphenol	69.6	ug/L	20	70	36	95	2.3	40	
4-Chlorophenol	60.0	ug/L	20	60	25	91	4.8	40	
4-Chlorophenyl phenyl ether	72.0	ug/L	20	72	38	107	0.3	40	
4-Nitroaniline	74.2	ug/L	20	74	34	102	3.0	40	
4-Nitrophenol	28.0	ug/L	100	28	10	49	0.0	40	
Acenaphthene	70.0	ug/L	20	70	43	97	1.7	40	
Acenaphthylene	67.6	ug/L	20	68	45	94	0.3	40	
Aniline	22.8	ug/L	20	23	10	38	0.9	40	
Anthracene	75.6	ug/L	20	76	50	106	0.5	40	
Azobenzene	72.4	ug/L	20	72	41	103	1.1	40	
Benzidine	74.8	ug/L	40	75	10	142	29	40	
Benzo(a)anthracene	69.8	ug/L	20	70	39	121	6.6	40	
Benzo(a)pyrene	77.2	ug/L	20	77	42	109	1.8	40	
Benzo(b)fluoranthene	72.6	ug/L	20	73	32	124	0.3	40	
Benzo(g,h,i)perylene	74.6	ug/L	20	75	42	117	0.0	40	
Benzo(k)fluoranthene	74.2	ug/L	20	74	46	104	2.4	40	
Benzyl alcohol	52.4	ug/L	20	52	27	64	2.3	40	
bis(-2-chloroethoxy)Methane	63.8	ug/L	20	64	33	93	0.6	40	
bis(-2-chloroethyl)Ether	58.6	ug/L	20	59	28	91	2.4	40	
bis(2-chloroisopropyl)Ether	60.6	ug/L	20	61	33	87	0.3	40	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Burns Stone Sales / Lake Worth Dept.
Project: Old Lantana Clean Fill

Report Date: 02/10/17
Work Order: 0170203-02

Analyte	Result	Units	RL	MDEC	Low Limit	High Limit	RPD	RPD Lim	Qual
Method: EPA 8270C								Batch: 2270	
Sample ID: 1602070-01,02,03				Analysis Date: 02/09/17			Run: B/ 02/12/17 07:09:05		
1,4-Dichlorobenzene	0.0	ug/L	20	32	31	74	0.0	40	
1,2-Dichlorobenzene	0.0	ug/L	20	32	27	74	0.0	40	
1-Methylnaphthalene	0.0	ug/L	20	37	29	73	2.1	40	
2,4,5-Trichlorophenol	0.0	ug/L	20	21	27	110	0.0	40	
2,4,6-Trichlorophenol	0.0	ug/L	20	27	27	120	0	40	
2,4-Dichlorophenol	0.0	ug/L	20	30	22	89	0.0	40	
2,4-Dimethylphenol	0.0	ug/L	20	22	22	92	3.1	40	
2,4-Dinitrophenol	0.0	ug/L	100	25	10	112	0.0	40	
2,4-Dinitrotoluene	0.0	ug/L	20	32	34	116	1.2	40	
2,6-Dinitrotoluene	0.0	ug/L	20	27	27	113	3.8	40	
2-Chloronaphthalene	0.0	ug/L	20	27	29	109	3.2	40	
2-Chlorophenol	0.0	ug/L	20	28	23	77	7.8	40	
2-Methylnaphthalene	0.0	ug/L	20	30	26	86	7.2	40	
2-Methylphenol	0.0	ug/L	20	27	28	80	2.8	40	
2-Nitroaniline	0.0	ug/L	20	33	31	94	0.0	40	
2-Nitrophenol	0.0	ug/L	20	32	30	110	4.7	40	
3,3'-Dichlorobenzidine	0.0	ug/L	40	32	23	88	4.4	40	
3-Methylphenol	0.0	ug/L	20	29	16	149	0.0	40	
4,6-Dinitro-2-methylphenol	0.0	ug/L	100	30	10	120	2.0	40	
4-Bromophenyl-phenylether	0.0	ug/L	20	30	28	109	0.0	40	
4-Chloro-3-methylphenol	0.0	ug/L	20	27	23	89	0.0	40	
4-Chloroaniline	0.0	ug/L	20	28	13	95	2.3	40	
4-Chlorophenyl-phenylether	0.0	ug/L	20	30	25	97	4.3	40	
4-Nitroaniline	0.0	ug/L	20	32	26	107	0.3	40	
4-Nitrophenol	0.0	ug/L	100	29	13	132	3.0	40	
Acenaphthene	0.0	ug/L	20	74	34	101	0.0	40	
Acenaphthylene	0.0	ug/L	20	29	16	81	1.7	40	
Aniline	0.0	ug/L	20	26	10	84	0.3	40	
Anthracene	0.0	ug/L	20	27	10	90	0.0	40	
Benzo(a)anthracene	0.0	ug/L	20	25	20	104	0.3	40	
Benzo(b)fluoranthene	0.0	ug/L	20	25	41	103	1.7	40	
Benzo(g,h,i)perylene	0.0	ug/L	20	25	40	142	3.0	40	
Benzo(k)fluoranthene	0.0	ug/L	20	25	20	121	0.3	40	
Benzoic acid	0.0	ug/L	20	27	42	109	1.2	40	
Benzyl alcohol	0.0	ug/L	20	23	32	124	0.7	40	
Bis(2-chloroethoxy)methane	0.0	ug/L	20	25	42	117	0.0	40	
Bis(2-chloroethyl)ether	0.0	ug/L	20	24	45	108	2.4	40	
Bis(2-chloroisopropyl)ether	0.0	ug/L	20	23	37	84	2.3	40	
Bis(2-ethylhexyl)phthalate	0.0	ug/L	20	30	15	83	0.0	40	
Butylbenzylphthalate	0.0	ug/L	20	30	28	91	2.4	40	
Carbazole	0.0	ug/L	20	30	23	87	3.3	40	

Qual Defs:
RL - Analysis reporting limit

MD - Not detected at the reporting limit

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings

Report Date: 09/18/07
Work Order: B07090939

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 28709
Sample ID: B07090766-002BMS	Sample Matrix Spike				Run: SV5973N.I_070913A			09/14/07 00:30	
bis(2-ethylhexyl)Phthalate	57.6	ug/L	20	58	13	127	9.3	40	
Butylbenzylphthalate	69.6	ug/L	20	70	31	118	5.6	40	
Chrysene	78.0	ug/L	20	78	47	110	1.3	40	
Dibenzo(a,h)anthracene	68.8	ug/L	20	69	44	114	1.7	40	
Dibenzofuran	74.0	ug/L	20	74	44	90	2.5	40	
Diethyl phthalate	76.8	ug/L	20	77	38	109	2.6	40	
Dimethyl phthalate	72.6	ug/L	20	73	36	110	0.3	40	
Di-n-butyl phthalate	72.6	ug/L	20	73	33	117	4.0	40	
Di-n-octyl phthalate	58.0	ug/L	20	58	25	123	5.4	40	
Fluoranthene	77.4	ug/L	20	77	45	117	1.5	40	
Fluorene	74.8	ug/L	20	75	42	104	2.7	40	
Hexachlorobenzene	66.8	ug/L	20	67	36	109	0.0	40	
Hexachlorobutadiene	54.4	ug/L	20	54	27	83	11	40	
Hexachlorocyclopentadiene	56.8	ug/L	40	57	30	85	4.5	40	
Hexachloroethane	45.8	ug/L	20	46	28	72	9.6	40	
Indeno(1,2,3-cd)pyrene	71.0	ug/L	20	71	35	123	4.4	40	
Isophorone	66.0	ug/L	20	66	36	99	2.8	40	
m+p-Cresols	54.2	ug/L	20	54	30	70	6.8	40	
Naphthalene	61.0	ug/L	20	61	37	88	3.2	40	
Nitrobenzene	62.0	ug/L	20	62	35	86	2.5	40	
n-Nitrosodimethylamine	42.6	ug/L	20	43	19	43	23	40	
n-Nitroso-di-n-propylamine	66.0	ug/L	20	66	34	102	4.3	40	
n-Nitrosodiphenylamine	67.2	ug/L	20	67	33	106	1.2	40	
o-Cresol	56.8	ug/L	20	57	31	76	5.8	40	
p-Chloroaniline	55.2	ug/L	20	55	20	80	3.7	40	
Pentachlorophenol	57.6	ug/L	100	58	24	117	0.0	40	
Phenanthrene	71.0	ug/L	20	71	38	113	2.2	40	
Phenol	43.0	ug/L	20	43	18	48	7.6	40	
Pyrene	73.6	ug/L	20	74	39	115	4.0	40	
Pyridine	29.0	ug/L	20	29	11	38	24	40	
Surr: 2,4,6-Tribromophenol			20	72	21	130	0.0	40	
Surr: 2-Fluorobiphenyl			20	69	28	107	0.0	40	
Surr: 2-Fluorophenol			20	41	20	56	0.0	40	
Surr: Nitrobenzene-d5			20	64	32	94	0.0	40	
Surr: Phenol-d5			20	39	19	45	0.0	40	
Surr: Terphenyl-d14			20	72	32	122	0.0	40	
Sample ID: MB-28709	Method Blank				Run: SV5973N.I_070917A			09/17/07 19:25	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10						
1,2,4-Trichlorobenzene	ND	ug/L	10						
1,2-Dichlorobenzene	ND	ug/L	10						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

GAROC Summary Report

Client: Bluch Silver Box Pipes Works Dept.
Project: Old Landfill Dump Valley

Report Date: 06/18/07
Work Order: 20100-029

Analyte	Result	Units	RL	GAROC Low Limit	High Limit	RPD	Analyst	Qual
Method: SW8270C								Batch: 37278
Sample ID: 20100-029-1			Sample Water Sample			Run: SVOA_070618A		06/18/07 00:00
Alpha-BHC	22.0	ug/L	20	28	73	177	2.8	40
Alpha-Chlordane	81.8	ug/L	20	36	118	119	1.6	40
Chrysene	72.0	ug/L	20	27	117	119	1.4	40
Dibenzo(a,h)anthracene	88.3	ug/L	20	20	114	117	1.7	40
Dibenzofuran	74.0	ug/L	20	74	44	120	2.8	40
Diethylphthalate	78.8	ug/L	20	77	36	102	2.0	40
Dimethylphthalate	72.5	ug/L	20	72	38	119	0.3	40
Di-n-butylphthalate	77.1	ug/L	20	73	37	117	0.0	40
Di-n-octylphthalate	72.0	ug/L	20	91	23	122	3.1	40
Fluoranthene	77.4	ug/L	20	71	46	117	0.0	40
Fluorene	74.3	ug/L	20	75	42	106	2.7	40
Hexachlorobenzene	79.9	ug/L	20	87	38	109	0.0	40
Hexachlorobutadiene	80.1	ug/L	20	64	27	102	1.1	40
Hexachlorocyclopentadiene	80.0	ug/L	20	87	20	85	4.2	40
Hexachloroethane	73.3	ug/L	20	69	28	72	9.0	40
Indeno(1,2,3-cd)pyrene	77.0	ug/L	20	77	31	122	4.4	40
Isophorone	80.0	ug/L	20	80	39	99	2.0	40
m-p-Cresols	81.7	ug/L	20	84	37	70	0.5	40
Naphthalene	84.0	ug/L	20	91	37	88	2.3	40
Nitrobenzene	82.0	ug/L	20	80	35	96	2.5	40
N-Nitrosodi-n-propylamine	80.5	ug/L	20	45	17	47	2.1	40
N-Nitrosodiphenylamine	98.0	ug/L	20	96	34	102	4.2	40
N-Nitrosopyrrolidine	77.4	ug/L	20	80	35	109	1.2	40
o-Cresol	80.4	ug/L	20	87	31	78	3.8	40
p-Chloroaniline	81.1	ug/L	20	85	35	120	0.7	40
Pentachlorobenzene	87.2	ug/L	100	86	24	141	0.0	40
Phenanthrene	77.0	ug/L	20	77	38	113	2.3	40
Phenol	43.0	ug/L	20	47	19	48	7.6	40
Pyrene	72.8	ug/L	20	74	33	115	4.0	40
Pyridine	80.0	ug/L	20	80	17	38	2.4	40
Surr: 2,4,6-Tribromophenol			20	77	27	130	0.0	40
Surr: 2-Chlorobiphenyl			20	80	30	107	0.0	40
Surr: 2-Fluorophenol			20	41	20	80	0.0	40
Surr: Nitrobenzene-d5			20	84	32	98	0.0	40
Surr: Phenol-d6			20	39	19	48	0.0	40
Surr: Terphenyl-d14			20	74	35	122	0.0	40
Method: 8015B						Run: SVSPTN1_070618A		06/18/07 15:25
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10					
1,2,4-Trichlorobenzene	ND	ug/L	10					
1,2-Dichlorobenzene	ND	ug/L	10					

Qualifiers:
RL - Reporting Limit

ND - Not detected at the reporting limit

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings

Report Date: 09/18/07
Work Order: B07090939

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 28709
Sample ID: MB-28709	Method Blank				Run: SV5973N.I_070917A				09/17/07 19:25
1,3,5-Trinitrobenzene	ND	ug/L	10						
1,3-Dichlorobenzene	ND	ug/L	10						
1,3-Dinitrobenzene	ND	ug/L	10						
1,4-Benzenediamine	ND	ug/L							P
1,4-Dichlorobenzene	ND	ug/L	10						
1,4-Naphthoquinone	ND	ug/L	10						
1-Methylnaphthalene	ND	ug/L	10						
1-Naphthylamine	ND	ug/L	10						
2,3,4,6-Tetrachlorophenol	ND	ug/L	10						
2,4,5-Trichlorophenol	ND	ug/L	10						
2,4,6-Trichlorophenol	ND	ug/L	10						
2,4-Dichlorophenol	ND	ug/L	10						
2,4-Dimethylphenol	ND	ug/L	10						
2,4-Dinitrophenol	ND	ug/L	50						
2,4-Dinitrotoluene	ND	ug/L	10						
2,6-Dichlorophenol	ND	ug/L	10						
2,6-Dinitrotoluene	ND	ug/L	10						
2-Acetylaminofluorene	ND	ug/L	10						
2-Chloronaphthalene	ND	ug/L	10						
2-Chlorophenol	ND	ug/L	10						
2-Methylnaphthalene	ND	ug/L	10						
2-Naphthylamine	ND	ug/L	10						
2-Nitroaniline	ND	ug/L	10						
2-Nitrophenol	ND	ug/L	10						
2-Picoline	ND	ug/L	10						
3,3'-Dichlorobenzidine	ND	ug/L	20						
3,3'-Dimethylbenzidine	ND	ug/L	10						
3-Methylcholanthrene	ND	ug/L	10						
3-Nitroaniline	ND	ug/L	10						
4,6-Dinitro-2-methylphenol	ND	ug/L	50						
4-Aminobiphenyl	ND	ug/L	10						
4-Bromophenyl phenyl ether	ND	ug/L	10						
4-Chloro-2-methylphenol	ND	ug/L	10						
4-Chloro-3-methylphenol	ND	ug/L	10						
4-Chlorophenol	ND	ug/L	10						
4-Chlorophenyl phenyl ether	ND	ug/L	10						
4-Nitroaniline	ND	ug/L	10						
4-Nitrophenol	ND	ug/L	50						
4-Nitroquinoline-n-oxide	ND	ug/L	10						
5-Nitro-o-toluidine	ND	ug/L	10						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings

Report Date: 09/18/07
Work Order: B07090939

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 28709
Sample ID: MB-28709	Method Blank				Run: SV5973N.I_070917A				09/17/07 19:25
7,12-Dimethylbenz(a)anthracene	ND	ug/L	10						
a,a-Dimethylphenethylamine	ND	ug/L							P
Acenaphthene	ND	ug/L	10						
Acenaphthylene	ND	ug/L	10						
Acetophenone	ND	ug/L	10						
Aniline	ND	ug/L	10						
Anthracene	ND	ug/L	10						
Aramite	ND	ug/L	10						
Azobenzene	ND	ug/L	10						
Benzidine	ND	ug/L	20						
Benzo(a)anthracene	ND	ug/L	10						
Benzo(a)pyrene	ND	ug/L	10						
Benzo(b)fluoranthene	ND	ug/L	10						
Benzo(g,h,i)perylene	ND	ug/L	10						
Benzo(k)fluoranthene	ND	ug/L	10						
Benzyl alcohol	ND	ug/L	10						
bis(-2-chloroethoxy)Methane	ND	ug/L	10						
bis(-2-chloroethyl)Ether	ND	ug/L	10						
bis(2-chloroisopropyl)Ether	ND	ug/L	10						
bis(2-ethylhexyl)Phthalate	ND	ug/L	10						
Butylbenzylphthalate	ND	ug/L	10						
Chlorobenzilate	ND	ug/L	10						
Chrysene	ND	ug/L	10						
Diallate	ND	ug/L	10						
Dibenzo(a,h)anthracene	ND	ug/L	10						
Dibenzofuran	ND	ug/L	10						
Diethyl phthalate	ND	ug/L	10						
Dimethoate	ND	ug/L	10						
Dimethyl phthalate	ND	ug/L	10						
Di-n-butyl phthalate	ND	ug/L	10						
Di-n-octyl phthalate	ND	ug/L	10						
Diphenylamine	ND	ug/L	10						
Disulfoton	ND	ug/L	10						
Ethyl methanesulfonate	ND	ug/L	10						
Famphur	ND	ug/L	10						
Fluoranthene	ND	ug/L	10						
Fluorene	ND	ug/L	10						
Hexachlorobenzene	ND	ug/L	10						
Hexachlorobutadiene	ND	ug/L	10						
Hexachlorocyclopentadiene	ND	ug/L	20						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings

Report Date: 09/18/07
Work Order: B07090939

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 28709
Sample ID: MB-28709	Method Blank				Run: SV5973N.I_070917A				09/17/07 19:25
Hexachloroethane	ND	ug/L	10						
Hexachlorophene	ND	ug/L							P
Hexachloropropene	ND	ug/L	10						
Indeno(1,2,3-cd)pyrene	ND	ug/L	10						
Isophorone	ND	ug/L	10						
Isosafrole	ND	ug/L	10						
m+p-Cresols	ND	ug/L	10						
Methapyrilene	ND	ug/L							P
Methyl methanesulfonate	ND	ug/L	10						
Methyl parathion	ND	ug/L	10						
Naphthalene	ND	ug/L	10						
Nitrobenzene	ND	ug/L	10						
n-Nitrosodiethylamine	ND	ug/L	10						
n-Nitrosodimethylamine	ND	ug/L	10						
n-Nitroso-di-n-butylamine	ND	ug/L	10						
n-Nitroso-di-n-propylamine	ND	ug/L	10						
n-Nitrosodiphenylamine	ND	ug/L	10						
n-Nitrosomethylethylamine	ND	ug/L	10						
n-Nitrosomorpholine	ND	ug/L	10						
n-Nitrosopiperidine	ND	ug/L	10						
n-Nitrosopyrrolidine	ND	ug/L	10						
o,o,o-Triethyl phosphorothioate	ND	ug/L	10						
o-Cresol	ND	ug/L	10						
o-Toluidine	ND	ug/L	10						
p-(dimethylamino)Azobenzene	ND	ug/L	10						
Parathion	ND	ug/L	10						
p-Chloroaniline	ND	ug/L	10						
Pentachlorobenzene	ND	ug/L	10						
Pentachloronitrobenzene	ND	ug/L	10						
Pentachlorophenol	ND	ug/L	50						
Phenacetin	ND	ug/L	10						
Phenanthrene	ND	ug/L	10						
Phenol	ND	ug/L	10						
Phorate	ND	ug/L	10						
Pronamide	ND	ug/L	10						
Pyrene	ND	ug/L	10						
Pyridine	ND	ug/L	10						
Safrole	ND	ug/L	10						
Sulfotep	ND	ug/L	10						
Thionazin	ND	ug/L	10						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

P - Poor method performance. Method validations have shown no recoveries at low levels or erratic method performance.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings

Report Date: 09/18/07
Work Order: B07090939

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 28709
Sample ID: MB-28709	Method Blank				Run: SV5973N.I_070917A				09/17/07 19:25
Surr: 2,4,6-Tribromophenol			10	84	26	116			
Surr: 2-Fluorobiphenyl			10	72	25	94			
Surr: 2-Fluorophenol			10	46	11	67			
Surr: Nitrobenzene-d5			10	73	19	102			
Surr: Phenol-d5			10	34	15	54			
Surr: Terphenyl-d14			10	91	39	106			
Sample ID: APP2A-28709	Laboratory Control Sample				Run: SV5973N.I_070917A				09/17/07 19:56
1,2,4,5-Tetrachlorobenzene	80.6	ug/L	10	81	15	124			
1,3-Dinitrobenzene	94.9	ug/L	10	95	24	136			
1,4-Naphthoquinone	77.0	ug/L	10	77	59	103			
2,3,4,6-Tetrachlorophenol	95.0	ug/L	10	95	10	123			
2,6-Dichlorophenol	81.5	ug/L	10	82	12	133			
2-Acetylaminofluorene	101	ug/L	10	101	39	130			
3-Methylcholanthrene	92.6	ug/L	10	93	10	183			
7,12-Dimethylbenz(a)anthracene	91.6	ug/L	10	92	30	130			
Aramite	70.8	ug/L	10	71	15	152			
Chlorobenzilate	91.4	ug/L	10	91	36	128			
Diallate	95.3	ug/L	10	95	10	157			
Dimethoate	86.4	ug/L	10	86	15	151			
Disulfoton	94.1	ug/L	10	94	10	159			
Ethyl methanesulfonate	61.8	ug/L	10	62	10	143			
Hexachloropropene	70.9	ug/L	10	71	10	131			
Isosafrole	84.3	ug/L	10	84	27	114			
Methapyrilene	22.5	ug/L		23	20	140			
Methyl methanesulfonate	35.9	ug/L	10	36	14	123			
Methyl parathion	93.0	ug/L	10	93	15	159			
o,o,o-Triethyl phosphorothioate	78.7	ug/L	10	79	31	108			
Parathion	93.1	ug/L	10	93	31	137			
Pentachlorobenzene	82.7	ug/L	10	83	15	127			
Phorate	101	ug/L	10	101	16	153			
Safrole	86.6	ug/L	10	87	28	113			
Sulfotep	99.5	ug/L	10	100	15	135			
Thionazin	85.5	ug/L	10	86	25	147			
Surr: 2,4,6-Tribromophenol			10	90	26	116			
Surr: 2-Fluorobiphenyl			10	77	25	94			
Surr: 2-Fluorophenol			10	43	11	67			
Surr: Nitrobenzene-d5			10	74	19	102			
Surr: Phenol-d5			10	35	15	54			
Surr: Terphenyl-d14			10	87	39	106			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings

Report Date: 09/18/07
Work Order: B07090939

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8270C									Batch: 28709
Sample ID: APP2B-28709	Laboratory Control Sample				Run: SV5973N.I_070917A				09/17/07 20:27
1,3,5-Trinitrobenzene	94.5	ug/L	10	95	28	77			S
1-Naphthylamine	88.0	ug/L	10	88	10	111			
2-Naphthylamine	99.3	ug/L	10	99	10	120			
2-Picoline	60.0	ug/L	10	60	13	93			
3,3'-Dimethylbenzidine	55.5	ug/L	10	56	10	116			
4-Aminobiphenyl	97.4	ug/L	10	97	20	131			
4-Nitroquinoline-n-oxide	102	ug/L	10	102	26	149			
5-Nitro-o-toluidine	100	ug/L	10	100	29	131			
Acetophenone	83.8	ug/L	10	84	17	144			
Diphenylamine	98.6	ug/L	10	99	31	140			
n-Nitrosodiethylamine	82.0	ug/L	10	82	18	130			
n-Nitroso-di-n-butylamine	107	ug/L	10	107	21	159			
n-Nitrosomethylethylamine	80.3	ug/L	10	80	14	114			
n-Nitrosomorpholine	78.8	ug/L	10	79	10	165			
n-Nitrosopiperidine	80.9	ug/L	10	81	23	148			
n-Nitrosopyrrolidine	70.0	ug/L	10	70	10	150			
o-Toluidine	72.8	ug/L	10	73	10	136			
p-(dimethylamino)Azobenzene	98.3	ug/L	10	98	40	143			
Pentachloronitrobenzene	102	ug/L	10	102	10	172			
Phenacetin	82.2	ug/L	10	82	30	143			
Pronamide	88.8	ug/L	10	89	30	145			
Surr: 2,4,6-Tribromophenol			10	94	26	116			
Surr: 2-Fluorobiphenyl			10	83	25	94			
Surr: 2-Fluorophenol			10	52	11	67			
Surr: Nitrobenzene-d5			10	80	19	102			
Surr: Phenol-d5			10	40	15	54			
Surr: Terphenyl-d14			10	91	39	106			

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: Butte Silver Bow Public Works Dept
Project: Old Landfill Clark Tailings

Report Date: 09/24/07
Work Order: B07090939

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8151A									Batch: 28723
Sample ID: MB-28723	Method Blank				Run: CECD.I_070922B				09/22/07 19:06
2,4-D	ND	ug/L	1.0						
Dinoseb	ND	ug/L	1.0						
2,4,5-T	ND	ug/L	0.20						
2,4,5-TP (Silvex)	ND	ug/L	0.20						
Surr: DCAA			0.10	94	57	125			
Sample ID: LCS-28723	Laboratory Control Sample				Run: CECD.I_070922B				09/22/07 19:39
2,4-D	4.95	ug/L	1.0	99	58	136			
Dinoseb	4.19	ug/L	1.0	84	13	146			
2,4,5-T	5.21	ug/L	0.20	104	68	152			
2,4,5-TP (Silvex)	5.74	ug/L	0.20	115	66	153			
Surr: DCAA			0.10	108	57	125			
Sample ID: B07090869-001AMS	Sample Matrix Spike				Run: CECD.I_070922B				09/22/07 20:45
2,4-D	4.47	ug/L	1.0	89	50	140			
Dinoseb	3.61	ug/L	1.0	72	10	150			
2,4,5-T	4.90	ug/L	0.20	98	60	160			
2,4,5-TP (Silvex)	5.40	ug/L	0.20	108	60	155			
Surr: DCAA			0.10	106	57	125			
Sample ID: B07090869-001AMSD	Sample Matrix Spike Duplicate				Run: CECD.I_070922B				09/22/07 21:18
2,4-D	4.32	ug/L	1.0	86	50	140	3.4	40	
Dinoseb	3.50	ug/L	1.0	70	10	150	3.1	40	
2,4,5-T	4.78	ug/L	0.20	96	60	160	2.5	40	
2,4,5-TP (Silvex)	5.21	ug/L	0.20	104	60	155	3.6	40	
Surr: DCAA			0.10	99	57	125			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

CARGO Summary Report

Client: Bonin 3 Jaw Sum Pulse Water Cost
Project: Cost Analysis Data Table

Report Date: 02/24/07
Work Order: 07/06/005

Analyte	Result	Units	DL	Value Limit	High Limit	RPD	Ref Value	Date
Matrix: SWWHA								Rev 02/22
Sample ID: MC 2871	Method Blank				Run CECD1_070222			06/12/07 11:06
2,4-D	ND	ug/L	1.0					
Dicamba	ND	ug/L	1.0					
2,4,5-T	ND	ug/L	0.5					
2,4,5-TP (Silvex)	ND	ug/L	0.50					
Surr: DCAA			0.40	34	57	126		
Sample ID: LCS-07/22	Laboratory Control Sample				Run CECD1_070222			06/12/07 09:03
2,4-D	4.49	ug/L	1.0	60	80	124		
Dicamba	4.19	ug/L	1.0	34	15	158		
2,4,5-T	3.31	ug/L	0.50	108	68	132		
2,4,5-TP (Silvex)	4.14	ug/L	0.50	110	64	141		
Surr: DCAA			0.10	104	57	122		
Sample ID: 07/06/005-01MS	Sample Matrix Spike				Run CECD1_070222			06/12/07 20:16
2,4-D	4.47	ug/L	1.0	60	80	146		
Dicamba	3.91	ug/L	1.0	73	10	124		
2,4,5-T	4.00	ug/L	0.50	84	90	146		
2,4,5-TP (Silvex)	4.41	ug/L	0.50	102	80	152		
Surr: DCAA			0.40	102	40	122		
Sample ID: 07/06/005-01MSD	Sample Matrix Spike Duplicate				Run CECD1_070222			06/12/07 21:18
2,4-D	4.32	ug/L	1.0	60	80	140	3.4	40
Dicamba	3.87	ug/L	1.0	70	10	120	3.7	40
2,4,5-T	4.39	ug/L	0.50	75	90	146	2.4	40
2,4,5-TP (Silvex)	4.31	ug/L	0.50	104	80	152	2.3	40
Surr: DCAA			0.40	90	40	122		

Qualifiers:
RL - Analyte reporting limit.
ND - not detected at the reporting limit.

Energy Laboratories Inc
Workorder Receipt Checklist

B07090939

Butte Silver Bow Public Works Dept

Login completed by: Jill M. Lippard

Date and Time Received: 9/12/2007 9:00 AM

Reviewed by: Staci Fread

Received by: lg

Reviewed Date: 9/12/2007 5:30:01 PM

Carrier name: UPS ARS Ground

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☐	No ☑	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	4°C On Ice
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

No unpreserved vials received for 8260-APPII. Analyze Acrolein from preserved vials per Shari.

Energy Laboratories Inc
Workorder Receipt Checklist

Butte Silver Bow Public Works Dept

B07080939

Login completed by: Jill M. Lybarger

Date and Time Received: 8/7/2007 9:00 AM

Received by: Sam Frisell

Received by: jg

Reviewed Date: 8/13/2007 2:30:01 PM

Carrier name: UPS ARS Ground

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☐	No ☑	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	4°C On Ice
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not applicable ☐

Contact and Corrective Action Comments:

None

The original chain of custody received for 0708093-01 Always fax/email a copy of the chain of custody prior to sampling

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT- Provide as much information as possible.

Company Name: Pioneer Technical Services	Project Name, PWS, Permit, Etc.: Old Landfill / Clark Tailings	Sample Origin State: MT	EPA/State Compliance: Yes ☒ No ☐
Report Mail Address: 63½ W Broadway Butte MT	Contact Name: Brad Hollamon Phone/Fax: 406-490-7678	Email: bhollamon@pioneer-technical.com	Sampler: (Please Print) Julie Flammang Brad Hollamon
Invoice Address: BSB Public Works Dept 126 W Granite Butte MT 59701	Invoice Contact & Phone: Gary Keeler 406-497-6515	Purchase Order:	Quote/Bottle Order: 23009

Special Report/Formats – ELI must be notified prior to sample submittal for the following:

- ☐ DW
- ☐ GSA
- ☐ POTW/WWTP
- ☐ State: _____
- ☐ Other: _____
- ☐ A2LA
- ☐ EDD/EDT (Electronic Data) Format: _____
- ☐ LEVEL IV
- ☐ NELAC

Number of Containers
Sample Type: A W S V B O
Air Water Soils/Solids
Vegetation Bioassay Other

ANALYSIS REQUESTED

SEE ATTACHED

RUSH

Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page

Comments: Logged as APP11 per history. (JI)

Shipped by: UPS Ars Grd
Cooler ID(s): ~~X4~~ X2
Receipt Temp 4 °C
On Ice: (Yes) No
Custody Seal (Y) N
Intact (Y) N
Signature Match (Y) N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	8270-SVOC	8151-	8260-VOC							SEE ATTACHED	Normal Turnaround (TAT)	RUSH		LABORATORY USE ONLY
1	BSB-GW-01	9/10/07	1430	5 W	✓	✓	✓	cooler #1							✓			B07090939-1
2	BSB-GW-02	↓	1200	5 W	✓	✓	✓								✓			-2
3	BSB-GW-03		1330	5 W	✓	✓	✓	cooler #2							✓			-3
4	BSB-GW-04	↓	1255	7 W	✓	✓	✓								✓			-4
#1	Trip Blank SHP0252	8/27																-5
#2	Trip Blank SH20232	8/29																-6
7																		
8																		
9																		
10																		

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Julie Flammang	9/11/07 1300	Julie Flammang			
			Received by Laboratory:	9/12/07 9:00	Lisa Gancze

Sample Disposal: Return to Client: _____ Lab Disposal: _____

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.
This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.
Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

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LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: New Landfill, Old Landfill
Lab ID: B06121654-007
Client Sample ID: BSB-GW-01

Report Date: 01/04/07
Collection Date: 12/14/06 15:20
DateReceived: 12/26/06
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	12/28/06 00:01 / sbd
Acetonitrile	ND	ug/L		20		SW8260B	12/28/06 00:01 / sbd
Acrolein	ND	ug/L		20		SW8260B	12/28/06 00:01 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	12/28/06 00:01 / sbd
Allyl chloride	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
Benzene	0.47	ug/L	J	1.0		SW8260B	12/28/06 00:01 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
Bromomethane	ND	ug/L	C	1.0		SW8260B	12/28/06 00:01 / sbd
Carbon disulfide	0.33	ug/L	J	1.0		SW8260B	12/28/06 00:01 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
Chloroprene	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
1,4-Dichlorobenzene	1.1	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
Dichlorodifluoromethane	1.7	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
1,1-Dichloroethane	1.9	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
cis-1,2-Dichloroethene	14	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
trans-1,2-Dichloroethene	0.53	ug/L	J	1.0		SW8260B	12/28/06 00:01 / sbd
1,2-Dichloropropane	0.45	ug/L	J	1.0		SW8260B	12/28/06 00:01 / sbd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	12/28/06 00:01 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
C - The continuing calibration verification exceeded the QC advisory limits.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
J - Estimated value. The analyte was present but less than the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Tulare County Public Works Dept
Project: Lemon Cove Landfill
Lab ID: [illegible]
Client Sample ID: SS2-GW-01

Report Date: 01/04/07
Collection Date: 12/14/06 15:20
Date/Time Rcvd: 12/20/06
Matrix: Ground Water

Analyte	Result	Units	Qualifiers	RL	MCL / PQL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	12/29/06 00:01 / abd
Acrylonitrile	ND	ug/L		20		SW8260B	12/29/06 00:01 / abd
Benzene	ND	ug/L		20		SW8260B	12/29/06 00:01 / abd
Bromobenzene	ND	ug/L		20		SW8260B	12/29/06 00:01 / abd
Bromochloromethane	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
Bromodichloromethane	0.47	ug/L	J	1.0		SW8260B	12/29/06 00:01 / abd
Bromoform	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
Bromomethane	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
2-Butanone (MEK)	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
n-Butylbenzene	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
Carbon disulfide	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
Chlorobenzene	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
Chloroethane	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
Chloroform	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
Chloromethane	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
Dibromomethane	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
Diisopropylether	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
Ethyl methacrylate	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd
2-Hexanone	ND	ug/L		20		SW8260B	12/29/06 00:01 / abd
Isopropylbenzene	ND	ug/L		1.0		SW8260B	12/29/06 00:01 / abd

Reason
Qualifiers
RL - Reporting limit.
QC1 - Quality control limit.
Q - The continuing calibration verification exceeded the QC advisory limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
J - Estimated value. The analyte was present but less than the reporting limit.

ENERGY LABORATORIES, INC. • P.O. Box 30916 • 1120 South 27th St[illegible] Billings, MT 59107-0916
800-735-4489 • 406-25[illegible]25 • 406-252-6069 fax • eli@energylab.com

LABORATORY ANALYTICAL REPORT

Client: Butte Silver Bow Public Works Dept
Project: New Landfill, Old Landfill
Lab ID: B06121654-007
Client Sample ID: BSB-GW-01

Report Date: 01/04/07
Collection Date: 12/14/06 15:20
DateReceived: 12/26/06
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Isobutanol	ND	ug/L		50		SW8260B	12/28/06 00:01 / sbd
Methacrylonitrile	ND	ug/L		20		SW8260B	12/28/06 00:01 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	12/28/06 00:01 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	12/28/06 00:01 / sbd
Methyl methacrylate	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
Naphthalene	ND	ug/L	C	1.0		SW8260B	12/28/06 00:01 / sbd
Pentachloroethane	ND	ug/L		2.0		SW8260B	12/28/06 00:01 / sbd
Propionitrile	ND	ug/L		20		SW8260B	12/28/06 00:01 / sbd
Styrene	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
Tetrachloroethene	0.30	ug/L	J	1.0		SW8260B	12/28/06 00:01 / sbd
Toluene	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
Trichloroethene	0.66	ug/L	J	1.0		SW8260B	12/28/06 00:01 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
Vinyl chloride	7.1	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	12/28/06 00:01 / sbd
Surr: 1,2-Dichloroethane-d4	113	%REC			70-130	SW8260B	12/28/06 00:01 / sbd
Surr: Dibromofluoromethane	124	%REC			77-126	SW8260B	12/28/06 00:01 / sbd
Surr: p-Bromofluorobenzene	90.0	%REC			76-127	SW8260B	12/28/06 00:01 / sbd
Surr: Toluene-d8	104	%REC			79-122	SW8260B	12/28/06 00:01 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
C - The continuing calibration verification exceeded the QC advisory limits.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
J - Estimated value. The analyte was present but less than the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Ft. Ida Silver Bow Works Dept.
Project: New Landfill Old Landfill
Lab ID: 9021210S1-001
Client Sample ID: 2-30-SW-01

Report Date: 01/02/97
Collection Date: 12/19/96 13:20
Date Received: 12/20/96
Matrix: Drum & Water

Analyte	Result	Units	Qualifiers	RL	MDL	DCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS								
Benzene	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
Bromobenzene	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
Bromodichloromethane	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
Bromoform	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
Bromomethane	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
n-Butylbenzene	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
sec-Butylbenzene	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
tert-Butylbenzene	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
Carbon tetrachloride	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
Chlorobenzene	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
Chlorodibromomethane	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
Chloroethane	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
2-Chloroethylvinylether	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
Chloroform	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
Chloromethane	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
2-Chlorotoluene	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
4-Chlorotoluene	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
1,2-Dibromo-3-chloropropane	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
1,2-Dibromoethane (EDB)	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
Dibromomethane	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
1,2-Dichlorobenzene	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
1,3-Dichlorobenzene	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
1,4-Dichlorobenzene	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
Dichlorodifluoromethane	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
1,1-Dichloroethane	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
1,2-Dichloroethane	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
1,1-Dichloroethylene	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
cis-1,2-Dichloroethylene	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
trans-1,2-Dichloroethylene	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
1,2-Dichloropropane	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
1,3-Dichloropropane	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
2,2-Dichloropropane	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
1,1-Dichloropropene	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
Ethylbenzene	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
Hexachlorobutadiene	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
Isopropylbenzene	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
p-Isopropyltoluene	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
Methylene chloride	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
n-Propylbenzene	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
Styrene	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
1,1,1,2-Tetrachloroethane	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
1,1,2,2-Tetrachloroethane	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
Tetrachloroethylene	0.20	ug/L	J	0.2			SW8260B	12/26/96 00:01 / sdd
Toluene	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
1,2,3-Trichlorobenzene	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
1,2,4-Trichlorobenzene	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
1,1,1-Trichloroethane	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
1,1,2-Trichloroethane	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
Trichloroethylene	0.01	ug/L	J	0.2			SW8260B	12/26/96 00:01 / sdd
Trichlorofluoromethane	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
1,2,3-Trichloropropane	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
Vinyl acetate	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
Vinyl chloride	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
m-Xylenes	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
o-Xylene	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
Xylenes, Total	ND	ug/L		20			SW8260B	12/26/96 00:01 / sdd
Bis(2-Chloroethoxy)methane	173	ug/L	BJ	20		20	SW8270C	12/23/96 00:01 / sdd
Bis(2-Chloroethyl)ether	134	ug/L	BJ	20		20	SW8270C	12/23/96 00:01 / sdd
Bis(2-Chloroisopropyl)ether	90.9	ug/L	BJ	20		20	SW8270C	12/23/96 00:01 / sdd
Bis(2-Ethylhexyl)phthalate	104	ug/L	BJ	20		20	SW8270C	12/23/96 00:01 / sdd

Bases: RL - Analytical reporting limit.
Subscriptions: DCL - Quality control limit.
B - The analytical method blank contained the DCL analyte level.
MDL - Maximum method detection level.
ND - Not detected at the reporting limit.
J - Estimated value. The analyte was detected but less than the reporting limit.

PIONEER
TECHNICAL SERVICES, INC.

P.O. BOX 3445 BUTTE, MONTANA 59702
PHONE (406) 782-5177 FAX (406) 782-5866
e-mail pioneer@in-tch.com internet www.pioneer-technical.com

RECEIVED
AUG 30 2006
Dept. of Enviro. Quality
Waste & Underground
Tank Management Bureau

August 18, 2006

Mr. F. Patrick Crowley
MDEQ-Solid Waste Program
Cogswell Building
Helena, MT 59620

RE: Sampling of Groundwater Monitoring Well BSB-A6-R at Old BSB Landfill, License 20

Dear Pat:
The Butte-Silver Bow Old Landfill monitoring well BSB-A6-R (License #20) was sampled on June 21, 2006 for VOC's. Please find a copy of the field notes, table of water quality detects and the laboratory results from the June 21, 2006 sampling event from Energy Laboratories.

The results for June 2006 sampling had four detects that were greater than or equal to the detection limit for these compounds, they are:

- Dichlorodifluoromethane (result 4.8 µg/L, previous result was 3.9 µg/L, MCL not listed);
- 1,1-Dichloroethane (result 2.8 µg/L, previous result was 2.5 µg/L, MCL not listed);
- Cis-1,2-Dichloroethene (result 10.0 µg/L, previous result was 2.2 µg/L, MCL not listed);
- Vinyl Chloride (result 5.8 µg/L, previous result was 1.2 µg/L, MCL not listed).

Additionally, six compounds were detected that were above the quantitation limit, but below the detection limit for these compounds, they are:

- Benzene at (0.60 µg/L J);
- 1,2-Dichloroethane at (0.15 µg/L J);
- trans-1,2-Dichloroethene at (0.15 µg/L J);
- 1,2-Dichloropropane at (0.68 µg/L J);
- Tetrachloroethene at (0.48 µg/L J),and,
- Trichloroethene at (0.70 µg/L J).

All other water quality parameters and compound detects appear to be below the quantitation limit. In general all compounds detected are similar to previous results for this well.

Please call me if you have any questions or comments regarding this information.

Sincerely,

Brad Hollamon
Senior Technician

Encl.
cc. Gary Keeler, BSB Landfill Manager
Shawn Bisch, Pioneer Technical Services Inc.

100% post-consumer paper & 100% vegetable based inks

August 18, 2006

Mr. Patrick Crowley
MUSQ-Solid Waste Program
Cogswell Building
Helena, MT 59620

RE: Sampling of Crowley and Stimpfling Well BSB-A6-R at Old BSB Landfill, License 320.

Dear Pat:

The Butte-Silver Bow Old Landfill monitoring well BSB-A6-R (License 320) was sampled on June 21, 2006 for VOC's. Please find a copy of the field notes, table of water quality data and the laboratory results from the June 21, 2006 sampling event from Energy Laboratories.

The results for June 2006 sampling had four detects that were greater than or equal to the detection limit for these components, they are:

- Dichlorodifluoromethane (result 4.9 µg/L, previous result was 3.9 µg/L, MCL not listed);
- 1,1-Dichloroethane (result 2.8 µg/L, previous result was 2.5 µg/L, MCL not listed);
- Cis-1,2-Dichloroethene (result 10.9 µg/L, previous result was 2.2 µg/L, MCL not listed);
- Vinyl Chloride (result 5.8 µg/L, previous result was 1.2 µg/L, MCL not listed).

Additionally, six components were detected that were above the quantitation limit, but below the detection limit for these components, they are:

- Benzene at (0.69 µg/L);
- 1,2-Dichloroethane at (0.15 µg/L);
- trans-1,2-Dichloroethene at (0.15 µg/L);
- 1,2-Dichloropropane at (0.48 µg/L);
- Tetrachloroethene at (0.48 µg/L); and
- Trichloroethene at (0.20 µg/L).

All other water quality parameters and compound detects appear to be below the quantitation limit. In general all components detected are similar to previous results for this well.

Please call me if you have any questions or comments regarding this information.

Sincerely,

Paul Hollenson
Senior Technician

Encl:
cc: Gary Kosky, BSB Landfill Manager
Steven Hoch, Pioneer Technical Services Inc.

BUTTE-SILVER BOW OLD LANDFILL SAMPLING DETECTS FOR ORIGINAL AND REPLACEMENT MONITORING WELL BSB-A6

		BSB-A6-R (Replacement)																								
		Nov-95	Dec-95	Feb-96	Sep-96	Mar-97	Apr-01	Oct-01	Dec-01	Mar-02	Jun-02	Sep-02	Dec-02	Apr-03	Jun-03	Dec-03	Mar-04	Jun-04	Sep-04	Dec-04	Mar-05	Jun-05	Sep-05	Dec-05	Mar-06	Jun-06
Water Quality																										
	Chloride (mg/L)	60	M	M	M	49	38.4	48	-	-	-	-	-	55	-	NR	57	NR	55	NR	79	NR	60	NR	59	NR
	COD (mg/L)	431	M	M	M	336	4020	819	-	-	-	-	-	956	-	NR	3.3	NR	8.6	NR	10	NR	28	NR	18	NR
	Conductance (umhos/cm)	2.88	M	M	M	2.9	4.15	4060	-	-	-		1478	3930	1061	1246	3050	1644	2600	1393	2790	1414	2560	1806	2630	1743
	<						<	<						<			<		<		<		<		<	
	Cyanide Total (ug/L)	2.5	M	M	M	2.5	5	0.005	-	-	-	-	-	0.005	-	NR	0.005	NR	0.005	NR	0.005	NR	0.005	NR	0.005	NR
	Nitrate/Nitrite-N (mg/L)	0.08	M	M	M	25	0.05	< 0.05	-	-	-	-	-	<0.05	-	NR	< 0.05	NR	<0.05	NR	<0.05	NR	0.089	NR	0.06	NR
	pH						5.7	4.4	6.31	6.19			6.48	6.50	6.30	5.94	6.20	6.29	6.20	6.37	6.20	6.45	6.20	6.27	6.30	5.91
	Sulfate (mg/L)	1730	M	M	M	1660	2890	3420	-	-	-	-	-	2720	-	NR	1750	NR	1340	NR	2700	NR	1780	NR	1310	NR
	Sulfide (mg/L)	M	M	M	M	M	2.3	-	-	-	-	-	-	<0.5	-	NR	< 0.05	NR	NR	NR	3.3	NR	NR	NR	0.61	NR
Compunds																										
	<							<	<	<	<	<	<	<	<			<		<			<		<	<
	Acetone	1.65	1.65	1.65	1.65	1.65	5.4	10	10.0	10.0	10.0	10.0	10.0	10.0	2.7	2.4	7.5	10.0	7.5	10.0	4.3	2.6	20.0	4.1	20.0	20.0
	Qualifier	U	U	U	U	U	J	U	U	U	U	U	U	U	J	J	J	U	J	U	J	J	U	J		
	<														<											
	Benzene	0.41	0.39	0.45	0.33	0.51	0.25	0.28	0.42	0.26	0.31	0.39	0.38	0.31	1.0	0.69	0.43	0.45	0.54	0.56	0.33	0.33	0.39	0.36	0.36	0.60
	Qualifier						J	J	J	J	J	J	J	J	U	J	J	J	J	J	J	J	J	J	J	J
	<							<	<	<	<	<	<	<	<	<	<		<	<	<	<				
	n-Butlbenzene	2.48	2.48	2.48	2.48	2.48	0.27	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	1.0	1.0	1.0	1.0		NA	NA	NA
	Qualifier	U	U	U	U	U	J	U	U	U	U	U	U	U	U	U	U	J	U	U	U	U				
	<							<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
	Carbon Disulfide	0.045	1.8	1.7	0.045	0.4	1.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1.0	1.0	1.0	1.0
	Qualifier						J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	<															<	<	<	<	<	<	<	<	<	<	<
	trans-1,4-Dichloro-2-butene														0.9	2.0	2.0	2.0	2.0	2.0	2.0	[illegible]	1.0	[illegible]	1.0	1.0
	Qualifier														J	U	U	U	U	U	U	U	U	U	U	U
	<																									
	Dichlorodifluoromethane	5.2	10	7.1	7.1	7.2	2.1	3.8	7.5	4.1	13.3	4.2	4.9	3.8	7.8	4.6	5.1	11.1	5.1	4.2	3.5	6.5	3.5	3.1	3.9	4.8
	Qualifier																									
	<																									
	1,1-Dichloroethane	0.13	0.11	0.14	0.02	0.02	2.2	2.0	2.3	2.6	2.7	3.0	2.4	2.4	2.5	2.9	2.9	3.7	2.8	2.7	2.2	2.2	2.5	2.2	2.5	2.8
	Qualifier																									
	<												<	<	<		<	<	<		<	<	<	<	<	
	1,2-Dichloroethane							0.18	0.2	0.15	2.7	0.16	1.0	1.0	1.0	0.32	1.0	1.0	1.0	0.2	1.0	1.0	1.0	1.0	1.0	0.15
	Qualifier							J	J	J	J	J	U	U	U	J	U	U	U	J	U	U	U	U	U	J
	<																									
	cis-1,2-Dichloroethene	66	49	88	33	34	3.3	4.7	12.4	2.6	2.9	7.5	7.5	3.0	3.0	18.1	4.8	3.3	6.1	15.9	2.9	2.4	5.5	5.5	2.2	10.0
	Qualifier																									
	<																<	<	<	<	<	<	<	<	<	
	trans-1,2-Dichloroethene															0.30	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.15
	Qualifier															J	U	U	U	U	U	U	U	U	U	J
	<																									
	1,2-Dichloropropane	1.1	1.2	1.1	0.75	0.74	0.56	0.5	0.54	0.57	0.69	0.70	0.59	0.59	0.61	0.80	0.73	0.95	0.72	0.62	0.71	0.63	0.71	0.68	0.72	0.68
	Qualifier						J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J
	<									<			<						<	<	<	<				
	4-Isopropyltoluene						0.48	0.92	0.98	1.0	0.80	0.56	1.0	0.25	0.44	0.33	0.22	0.27	1.0	1.0	1.0	1.0	NA	NA	NA	NA
	Qualifier						J	J	J	U	J	J	U	J	J	J	J	J	U	U	U	U				
	<								<																	<
	Methylene Chloride	0.5	0.03	0.03	0.42	0.03	0.54	0.43	1.0	0.8	0.75	0.53	0.39	0.63	0.55	0.29	0.63	0.7	0.62	0.35	0.54	0.44	0.42	0.35	0.56	1.0
	Qualifier						J	J	U	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	U
	<																				<	<	<		<	
	Napthalene	0.13	0.13	0.13	0.13	0.13	0.69	1.8	1.8		1.0	1.0	1.5	0.53	2.6	1.4	0.7	1.5	0.7	0.52	1.0	1.0	1.0	NA	1.0	NA
	Qualifier	U	U	U	U	U	J							J			J		J	J	U	U	U		U	
	<																									
	Tetrachloroethene	2.7	3	2.9	2.3	1.8	0.6	0.54	0.53	0.67	0.79	0.67	0.55	0.60	0.64	0.46	0.69	0.72	0.64	0.49	0.41	0.58	0.38	0.41	0.48	0.48
	Qualifier						J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J
	<															<	<		<	<	<	<				
	1,2,3-Trichlorobenzene														1.1	1.0	1.0	0.48	1.0	1.0	1.0	1.0	NA	NA	NA	NA
	Qualifier															U	U	J	U	U	U	U				
	<															<	<	<	<	<	<	<	<		<	
	1,2,4-Trichlorobenzene														1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	NA	1.0	NA
	Qualifier															U	U	U	U	U	U	U	U		U	
	<																									
	Trichloroethene	6	6.7	6.2	4.8	3.4	0.53	0.64	1.2	0.53	0.61	0.80	0.78	0.46	0.50	1.5	0.6	0.51	0.8	1.30	0.33	0.31	0.44	0.48	0.27	0.70
	Qualifier						J	J		J	J	J	J	J	J		J	J	J		J	J	J	J	J	J
	<																		<	<	<	<				
	1,2,4-Trimethylbenzene						0.28	0.46	0.54	0.26	0.33	0.31	0.41	0.22	0.52	0.42	0.25	0.37	1.0	1.0	1.0	1.0	NA	NA	NA	NA
	Qualifier						J	J	J	J	J	J	J	J	J	J	J	J	U	U	U	U				
	<																									
	Vinyl Chloride								3.9	0.26	0.26	4.3	4.0	0.63	1.1	15.7	2.1	1.8	3.8	10.8	1.5	1.3	2.9	2.5	1.2	5.8
	Qualifier									J	J			J												
	<									<	<		<	<	<	<	<	<	<	<	<	<	<	<	<	<
	o-Xylene								0.14	1.0	1.0	0.08	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	Qualifier								J	U	U	J	U	U	U	U	U	U	U	U	U	U	U	U	U	U

Qualifiers:

U : Compound Not detected
J : Compound detected, but less than quantitation limit
NR: Analysis not requested
NA: Not Analyzed

Old Landfill - A&R Quarterly 6/21/06

1015 - Arrive @ A&R
J. Flammang - Pioneer

Safety Mtg: Proper lifting techniques
- Sample security
- Park truck appropriately

Meter Calibration

pH - 7.00 - 6.98 Slp: 87.1
4.01 - 4.02
10.01 - 10.01

SC - 1413 us/cm standard → 1409 us/cm
cH - 476.1 litres solution → 463.1
DO - 5200' - 0.0% salinity

A&R DTW - 53.37' TOPVC
TD - 59.75' Column - 6.38'
3 well vols - 3.19 gal

Begin purging w/dedicated bailer
3.25 Total gallons purged

New Landfill Sampling
1105 Collect BSB-GW-01

2 40 ml VOAs vials for ~~8260~~ 8260B

pH	temp	SC	DO	cH
5.91	10.6	1743	~~2.54~~ 2.31	139.3

Well still very silty

1115 - Leave for New Landfill

1145 - Arrive at BSB-W1

DTW - 211.42' TOC TD - ~~285~~ 268'
Column - ~~73.58~~ 57'4" well casing
3 Well Vols - ~~144~~ 111.72 gallons

1204 - Begin purging using dedicated Grundfos pump.
Controller set @ 34.5 Hz
purging @ 1.25 GPM

1228 - Purged dry @ 30 gallons
1245 - Purged addt'l 11 gallons
Subtotal of 41 gallons

** REPORT **

Pioneer Technical Services
Shawn Bisch
307 E Park Ave. #303
Anaconda MT 59711

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ANALYTICAL SUMMARY REPORT

July 02, 2006

BSB Public Works Department
126 W Granite
Butte, MT 59701

Workorder No.: H06060251
Project Name: New Landfill

Energy Laboratories Inc received the following 8 samples from BSB Public Works Department on 6/23/2006 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
H06060251-001	CL2-GW-03	06/21/06 16:05	06/23/06	Aqueous	8260-Volatile Organic Comp, 40 CFR Part 258 App I
H06060251-002	CL2-GW-02	06/21/06 16:35	06/23/06	Aqueous	Same As Above
H06060251-003	CL2-GW-01	06/22/06 11:00	06/23/06	Aqueous	Same As Above
H06060251-004	CL2-GW-04	06/22/06 12:35	06/23/06	Aqueous	Same As Above
H06060251-005	CL2-GW-05	06/22/06 13:15	06/23/06	Aqueous	Same As Above
H06060251-006	CL2-GW-06	06/22/06 15:05	06/23/06	Aqueous	Same As Above
H06060251-007	BSB-GW-01	06/21/06 11:05	06/23/06	Aqueous	Same As Above
H06060251-008	Trip Blank	06/22/06 15:05	06/23/06	Trip Blank	Same As Above

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative or Report.

If you have any questions regarding these tests results, please call.

Report Approved By: _____

ANALYTICAL SUMMARY REPORT

July 05, 2006

USB Public Works Department
125 W Oriole
Butte, MT 59701

Workorder No.: H0606051
Project Name: New Landfill

Energy Laboratories Inc received the following 5 samples from BSB Public Works Department on 6/21/2006 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
H0606051-001	CL2-GW-01	06/21/06 13:05	06/21/06	Aqueous	8260B-Volatile Organic Comp, 40 CFR Part 258 App I
H0606051-002	CL2-GW-02	06/21/06 12:55	06/21/06	Aqueous	Same As Above
H0606051-003	CL2-GW-03	06/22/06 11:00	06/22/06	Aqueous	Same As Above
H0606051-004	CL2-GW-04	06/22/06 12:05	06/22/06	Aqueous	Same As Above
H0606051-005	CL2-GW-05	06/22/06 12:15	06/22/06	Aqueous	Same As Above
H0606051-006	CL2-GW-06	06/22/06 12:05	06/22/06	Aqueous	Same As Above
H0606051-007	CL2-GW-07	06/22/06 11:05	06/22/06	Aqueous	Same As Above
H0606051-008	Trip Blank	06/22/06 13:00	06/22/06	Trip Blank	Same As Above

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative or Qualifiers.

If you have any questions regarding these test results, please call.

Report Approved By: [illegible]

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LABORATORY ANALYTICAL REPORT

Client: BSB Public Works Department
Project: New Landfill
Lab ID: H06060251-007
Client Sample ID: BSB-GW-01

BSB-A6-R

Report Date: 06/28/06
Collection Date: 06/21/06 11:05
DateReceived: 06/23/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/26/06 15:56 / jdh
Acrylonitrile	ND	ug/L		20		SW8260B	06/26/06 15:56 / jdh
Benzene	0.60	ug/L	J	1.0		SW8260B	06/26/06 15:56 / jdh
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh
Bromoform	ND	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh
Bromomethane	ND	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh
Chloroethane	0.20	ug/L	J	1.0		SW8260B	06/26/06 15:56 / jdh
Chloroform	ND	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh
Chloromethane	ND	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh
Dibromomethane	ND	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh
1,4-Dichlorobenzene	0.21	ug/L	J	1.0		SW8260B	06/26/06 15:56 / jdh
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh
Dichlorodifluoromethane	4.8	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh
1,1-Dichloroethane	2.8	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh
1,2-Dichloroethane	0.15	ug/L	J	1.0		SW8260B	06/26/06 15:56 / jdh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh
cis-1,2-Dichloroethene	10	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh
trans-1,2-Dichloroethene	0.15	ug/L	J	1.0		SW8260B	06/26/06 15:56 / jdh
1,2-Dichloropropane	0.68	ug/L	J	1.0		SW8260B	06/26/06 15:56 / jdh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh
Ethylbenzene	0.11	ug/L	J	1.0		SW8260B	06/26/06 15:56 / jdh
2-Hexanone	ND	ug/L		20		SW8260B	06/26/06 15:56 / jdh
Iodomethane	ND	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/26/06 15:56 / jdh
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/26/06 15:56 / jdh
Methylene chloride	ND	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh
Styrene	ND	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh
Tetrachloroethene	0.48	ug/L	J	1.0		SW8260B	06/26/06 15:56 / jdh
Toluene	0.18	ug/L	J	1.0		SW8260B	06/26/06 15:56 / jdh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: BSG Public Works Department
Project: Nim Lake
Lab ID: 1108080231-001
Client Sample ID: BSG-CW-01

Report Date: 08/28/08
Collection Date: 08/27/08 11:00
Date Received: 08/27/08
Matrix: Aqueous

Analyte	Result	Units	Qualifiers	RL	MCL / QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Benzene	ND	ug/L		20		SW8260B	08/28/08 12:30 / jdh
Bromobenzene	ND	ug/L		20		SW8260B	08/28/08 12:30 / jdh
Bromochloromethane	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
Bromoform	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
Bromomethane	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
2-Butanone (MEK)	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
Carbon disulfide	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
Chlorobenzene	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
Chloroethane	0.32	ug/L	J	1.0		SW8260B	08/28/08 12:30 / jdh
Chloroform	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
Chloromethane	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
Dibromomethane	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
1,4-Dichlorobenzene	0.22	ug/L	J	1.0		SW8260B	08/28/08 12:30 / jdh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
cis-1,2-Dichloroethene	0.19	ug/L	J	1.0		SW8260B	08/28/08 12:30 / jdh
trans-1,2-Dichloroethene	0.29	ug/L	J	1.0		SW8260B	08/28/08 12:30 / jdh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
Ethylbenzene	2.17	ug/L		20		SW8260B	08/28/08 12:30 / jdh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
Isopropylbenzene	ND	ug/L		20		SW8260B	08/28/08 12:30 / jdh
p-Isopropyltoluene	ND	ug/L		20		SW8260B	08/28/08 12:30 / jdh
Methylene chloride	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
Methyl t-butyl ether (MTBE)	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
Naphthalene	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
Styrene	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
Tetrachloroethene	0.46	ug/L	J	1.0		SW8260B	08/28/08 12:30 / jdh
Toluene	0.76	ug/L	J	1.0		SW8260B	08/28/08 12:30 / jdh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	08/28/08 12:30 / jdh

Results: RL - Analyte reporting limit.
Qualifiers: QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: BSB Public Works Department
Project: New Landfill
Lab ID: H06060251-007
Client Sample ID: BSB-GW-01

Report Date: 06/28/06
Collection Date: 06/21/06 11:05
DateReceived: 06/23/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	0.70	ug/L	J	1.0		SW8260B	06/26/06 15:56 / jdh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh
Vinyl chloride	5.8	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh
m+p-Xylenes	0.11	ug/L	J	1.0		SW8260B	06/26/06 15:56 / jdh
o-Xylene	ND	ug/L		1.0		SW8260B	06/26/06 15:56 / jdh
Xylenes, Total	0.11	ug/L	J	1.0		SW8260B	06/26/06 15:56 / jdh
Surr: 1,2-Dichloroethane-d4	110	%REC			70-130	SW8260B	06/26/06 15:56 / jdh
Surr: Dibromofluoromethane	101	%REC			70-130	SW8260B	06/26/06 15:56 / jdh
Surr: p-Bromofluorobenzene	107	%REC			70-130	SW8260B	06/26/06 15:56 / jdh
Surr: Toluene-d8	100	%REC			70-130	SW8260B	06/26/06 15:56 / jdh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: BSB Public Works Department
Project: New Landfill
Lab ID: H06060251-008
Client Sample ID: Trip Blank

Report Date: 06/28/06
Collection Date: 06/22/06 15:05
Date Received: 06/23/06
Matrix: Trip Blank

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/26/06 16:56 / jdh
Acrylonitrile	ND	ug/L		20		SW8260B	06/26/06 16:56 / jdh
Benzene	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
Bromoform	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
Bromomethane	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
Chloroethane	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
Chloroform	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
Chloromethane	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
Dibromomethane	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
2-Hexanone	ND	ug/L		20		SW8260B	06/26/06 16:56 / jdh
Iodomethane	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/26/06 16:56 / jdh
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/26/06 16:56 / jdh
Methylene chloride	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
Styrene	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
Toluene	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh

Report Definitions: RL - Analyte reporting limit. QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: [illegible]
Project: [illegible]
Lab ID: [illegible]
Client Sample ID: [illegible]

Report Date: [illegible]
Collection Date: [illegible]
Date Received: [illegible]
Matrix: [illegible]

Analysis	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		50		SW8260B	06/20/06 16:36 / jkh
Acrylonitrile	ND	ug/L		20		SW8260B	06/20/06 16:36 / jkh
Benzene	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
Bromobenzene	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
Bromoform	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
Bromomethane	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
Chloroethane	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
Chloroform	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
Chloromethane	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
Dibromomethane	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
2-Hexanone	ND	ug/L		20		SW8260B	06/20/06 16:36 / jkh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/20/06 16:36 / jkh
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/20/06 16:36 / jkh
Methylene chloride	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
Naphthalene	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
Toluene	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	06/20/06 16:36 / jkh

Report RL - Analyte reporting limit.
Qualifiers QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: BSB Public Works Department
Project: New Landfill
Lab ID: H06060251-008
Client Sample ID: Trip Blank

Report Date: 06/28/06
Collection Date: 06/22/06 15:05
Date Received: 06/23/06
Matrix: Trip Blank

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
Trichloroethene	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
o-Xylene	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
Xylenes, Total	ND	ug/L		1.0		SW8260B	06/26/06 16:56 / jdh
Surr: 1,2-Dichloroethane-d4	114	%REC			70-130	SW8260B	06/26/06 16:56 / jdh
Surr: Dibromofluoromethane	102	%REC			70-130	SW8260B	06/26/06 16:56 / jdh
Surr: p-Bromofluorobenzene	111	%REC			70-130	SW8260B	06/26/06 16:56 / jdh
Surr: Toluene-d8	88.0	%REC			70-130	SW8260B	06/26/06 16:56 / jdh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: BSB Public Works Department
Project: New Landfill

Report Date: 06/28/06
Work Order: H06060251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Analytical Run: 1SATURN_060626A
Sample ID: CCV	Continuing Calibration Verification Standard								06/26/06 10:54
Acetone	53.6	ug/L	20	107	70	130			
Acrylonitrile	58.0	ug/L	20	116	70	130			
Benzene	5.52	ug/L	1.0	110	70	130			
Bromochloromethane	5.56	ug/L	1.0	111	70	130			
Bromodichloromethane	5.08	ug/L	1.0	102	70	130			
Bromoform	4.92	ug/L	1.0	98	70	130			
Bromomethane	5.68	ug/L	1.0	114	70	130			
Carbon disulfide	5.24	ug/L	1.0	105	70	130			
Carbon tetrachloride	5.20	ug/L	1.0	104	70	130			
Chlorobenzene	4.92	ug/L	1.0	98	70	130			
Chlorodibromomethane	4.76	ug/L	1.0	95	70	130			
Chloroethane	5.96	ug/L	1.0	119	70	130			
Chloroform	5.20	ug/L	1.0	104	80	120			
Chloromethane	5.52	ug/L	1.0	110	70	130			
1,2-Dibromo-3-chloropropane	5.16	ug/L	1.0	103	70	130			
1,2-Dibromoethane	4.80	ug/L	1.0	96	70	130			
Dibromomethane	4.88	ug/L	1.0	98	70	130			
1,2-Dichlorobenzene	4.84	ug/L	1.0	97	70	130			
1,4-Dichlorobenzene	4.96	ug/L	1.0	99	70	130			
trans-1,4-Dichloro-2-butene	5.24	ug/L	1.0	105	70	130			
Dichlorodifluoromethane	5.64	ug/L	1.0	113	70	130			
1,1-Dichloroethane	5.52	ug/L	1.0	110	70	130			
1,2-Dichloroethane	5.44	ug/L	1.0	109	70	130			
1,1-Dichloroethene	5.80	ug/L	1.0	116	80	120			
cis-1,2-Dichloroethene	5.40	ug/L	1.0	108	70	130			
trans-1,2-Dichloroethene	5.20	ug/L	1.0	104	70	130			
1,2-Dichloropropane	4.64	ug/L	1.0	93	80	120			
cis-1,3-Dichloropropene	5.32	ug/L	1.0	106	70	130			
trans-1,3-Dichloropropene	5.76	ug/L	1.0	115	70	130			
Ethylbenzene	4.92	ug/L	1.0	98	80	120			
2-Hexanone	49.6	ug/L	20	99	70	130			
Iodomethane	5.00	ug/L	1.0	100	70	130			
Methyl ethyl ketone	53.6	ug/L	20	107	70	130			
Methyl isobutyl ketone	47.2	ug/L	20	94	70	130			
Methylene chloride	5.52	ug/L	1.0	110	70	130			
Styrene	4.64	ug/L	1.0	93	70	130			
1,1,1,2-Tetrachloroethane	4.96	ug/L	1.0	99	70	130			
1,1,2,2-Tetrachloroethane	5.12	ug/L	1.0	102	70	130			
Tetrachloroethene	5.32	ug/L	1.0	106	70	130			
Toluene	5.52	ug/L	1.0	110	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: [illegible] Water Department
Project: New Landfill

Report Date: 06/28/06
Work Order: [illegible]

Analyte	Result	Units	RL	SPEC Limits	MDL	RPD	RPD Limit	Qual
Method: [illegible]								
Sample ID: [illegible]								
Acetone	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Acrylonitrile	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Benzene	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Bromodichloromethane	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Bromoform/Tribromomethane	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Bromomethane	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
2-Butanone (MEK)	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Carbon disulfide	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Carbon Tetrachloride	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Chlorobenzene	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Chloroethane	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Chloroform	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Chloromethane	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1,2-Dibromo-3-chloropropane	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1,2-Dibromoethane	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Dibromomethane	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1,2-Dichlorobenzene	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1,3-Dichlorobenzene	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1,4-Dichlorobenzene	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
trans-1,4-Dichloro-2-butene	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Dichlorodifluoromethane	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1,1-Dichloroethane	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1,2-Dichloroethane	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1,1-Dichloroethene	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
cis-1,2-Dichloroethene	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
trans-1,2-Dichloroethene	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1,2-Dichloropropane	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
cis-1,3-Dichloropropene	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
trans-1,3-Dichloropropene	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Diethylether	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
2-Hexanone	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Isobutanol	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Methyl ethyl ketone	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Methyl iodide	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Methyl methacrylate	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Methylene chloride	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Styrene	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1,1,2,2-Tetrachloroethane	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1,1,1,2-Tetrachloroethane	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Tetrachloroethene	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Toluene	[illegible]	ug/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

Qualifiers:
RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: BSB Public Works Department
Project: New Landfill

Report Date: 06/28/06
Work Order: H06060251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Analytical Run: 1SATURN_060626A
Sample ID: CCV	Continuing Calibration Verification Standard								06/26/06 10:54
1,1,1-Trichloroethane	5.20	ug/L	1.0	104	70	130			
1,1,2-Trichloroethane	5.60	ug/L	1.0	112	70	130			
Trichloroethene	4.48	ug/L	1.0	90	70	130			
Trichlorofluoromethane	5.72	ug/L	1.0	114	70	130			
1,2,3-Trichloropropane	4.88	ug/L	1.0	98	70	130			
Vinyl acetate	4.60	ug/L	1.0	92	70	130			
Vinyl chloride	5.48	ug/L	1.0	110	80	120			
m+p-Xylenes	9.48	ug/L	1.0	95	70	130			
o-Xylene	5.00	ug/L	1.0	100	70	130			
Xylenes, Total	14.5	ug/L	1.0	97	70	130			
Surr: 1,2-Dichloroethane-d4			1.0	110	70	130			
Surr: Dibromofluoromethane			1.0	106	70	130			
Surr: p-Bromofluorobenzene			1.0	94	70	130			
Surr: Toluene-d8			1.0	102	70	130			
Sample ID: CCV	Continuing Calibration Verification Standard								06/27/06 10:29
Acetone	46.4	ug/L	20	93	70	130			
Acrylonitrile	53.6	ug/L	20	107	70	130			
Benzene	5.52	ug/L	1.0	110	70	130			
Bromochloromethane	5.12	ug/L	1.0	102	70	130			
Bromodichloromethane	4.68	ug/L	1.0	94	70	130			
Bromoform	5.48	ug/L	1.0	110	70	130			
Bromomethane	4.56	ug/L	1.0	91	70	130			
Carbon disulfide	4.60	ug/L	1.0	92	70	130			
Carbon tetrachloride	4.88	ug/L	1.0	98	70	130			
Chlorobenzene	4.80	ug/L	1.0	96	70	130			
Chlorodibromomethane	4.88	ug/L	1.0	98	70	130			
Chloroethane	3.87	ug/L	1.0	77	70	130			
Chloroform	5.04	ug/L	1.0	101	80	120			
Chloromethane	4.60	ug/L	1.0	92	70	130			
1,2-Dibromo-3-chloropropane	4.72	ug/L	1.0	94	70	130			
1,2-Dibromoethane	4.40	ug/L	1.0	88	70	130			
Dibromomethane	5.08	ug/L	1.0	102	70	130			
1,2-Dichlorobenzene	4.88	ug/L	1.0	98	70	130			
1,4-Dichlorobenzene	5.08	ug/L	1.0	102	70	130			
trans-1,4-Dichloro-2-butene	5.60	ug/L	1.0	112	70	130			
Dichlorodifluoromethane	4.64	ug/L	1.0	93	70	130			
1,1-Dichloroethane	5.52	ug/L	1.0	110	70	130			
1,2-Dichloroethane	5.76	ug/L	1.0	115	70	130			
1,1-Dichloroethene	5.16	ug/L	1.0	103	80	120			
cis-1,2-Dichloroethene	4.92	ug/L	1.0	98	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: GSI Water & Soil Department
Project: New Landfill

Report Date: 06/22/06
Work Order: HD0605021

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPD Limit	Qual
Method: SW8260B									
Batch: R0022603									
Calibration Check (Continuing) Verification Standard									
Benzene	5.20	ug/L	1.0	104		70		130	
1,1,1,2-Tetrachloroethane	5.06	ug/L	1.0	101		70		130	
1,1,2-Trichloroethane	4.98	ug/L	1.0	99		70		130	
Toluene	5.72	ug/L	1.0	114		70		130	
Trichloroethylene	4.68	ug/L	1.0	94		70		130	
1,2,3-Trichlorobenzene	4.60	ug/L	1.0	92		70		130	
Vinyl acetate	5.45	ug/L	1.0	110		70		130	
Vinyl chloride	5.58	ug/L	1.0	98		70		130	
m-Xylene/p-Xylene	5.02	ug/L	1.0	100		70		130	
o-Xylene	4.70	ug/L	1.0	94		70		130	
Xylenes, Total			1.0	110		70		130	
Surr: 1,2,4-Trichlorobenzene-d3			1.0	108		70		130	
Surr: Dibromofluoromethane			1.0	94		70		130	
Surr: p-Bromofluorobenzene			1.0	102		70		130	
Surr: Toluene-d8									
Calibration Check (Continuing) Verification Standard									
Benzene	4.74	ug/L	1.0	95		70		130	
Acetone	5.35	ug/L	20	107		70		130	
Acrylonitrile	5.50	ug/L	1.0	110		70		130	
Chloroform	5.10	ug/L	1.0	102		70		130	
Bromochloromethane	4.70	ug/L	1.0	94		70		130	
Bromodichloromethane	5.47	ug/L	1.0	110		70		130	
Bromoform	4.52	ug/L	1.0	97		70		130	
Bromomethane	4.60	ug/L	1.0	92		70		130	
Carbon disulfide	4.30	ug/L	1.0	86		70		130	
Carbon tetrachloride	4.30	ug/L	1.0	86		70		130	
Chlorobenzene	5.21	ug/L	1.0	104		70		130	
Chlorobromomethane	4.69	ug/L	1.0	94		70		130	
Chloroethane	3.87	ug/L	1.0	77		70		130	
Chloromethane	3.04	ug/L	1.0	61		70		130	
Dibromomethane	4.70	ug/L	1.0	94		70		130	
1,2-Dibromo-3-chloropropane	4.72	ug/L	1.0	94		70		130	
1,2-Dichlorobenzene	5.40	ug/L	1.0	108		70		130	
1,3-Dichlorobenzene	5.08	ug/L	1.0	102		70		130	
1,4-Dichlorobenzene	4.88	ug/L	1.0	98		70		130	
1,1-Dichloroethane	5.00	ug/L	1.0	100		70		130	
1,2-Dichloroethane	5.00	ug/L	1.0	100		70		130	
1,1-Dichloroethene	4.64	ug/L	1.0	93		70		130	
cis-1,2-Dichloroethene	5.32	ug/L	1.0	106		70		130	
trans-1,2-Dichloroethene	5.10	ug/L	1.0	102		70		130	
1,2-Dichloropropane	5.18	ug/L	1.0	104		70		130	
1,3-Dichloropropane	5.10	ug/L	1.0	102		70		130	
cis-1,3-Dichloropropene	4.82	ug/L	1.0	96		70		130	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: BSB Public Works Department
Project: New Landfill

Report Date: 06/28/06
Work Order: H06060251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Analytical Run: 1SATURN_060626A
Sample ID: CCV	Continuing Calibration Verification Standard								06/27/06 10:29
trans-1,2-Dichloroethene	5.36	ug/L	1.0	107	70	130			
1,2-Dichloropropane	4.72	ug/L	1.0	94	80	120			
cis-1,3-Dichloropropene	4.88	ug/L	1.0	98	70	130			
trans-1,3-Dichloropropene	5.28	ug/L	1.0	106	70	130			
Ethylbenzene	4.76	ug/L	1.0	95	80	120			
2-Hexanone	41.6	ug/L	20	83	70	130			
Iodomethane	4.52	ug/L	1.0	90	70	130			
Methyl ethyl ketone	43.2	ug/L	20	86	70	130			
Methyl isobutyl ketone	39.4	ug/L	20	79	70	130			
Methylene chloride	5.40	ug/L	1.0	108	70	130			
Styrene	4.36	ug/L	1.0	87	70	130			
1,1,1,2-Tetrachloroethane	5.04	ug/L	1.0	101	70	130			
1,1,2,2-Tetrachloroethane	5.12	ug/L	1.0	102	70	130			
Tetrachloroethene	4.88	ug/L	1.0	98	70	130			
Toluene	4.84	ug/L	1.0	97	80	120			
1,1,1-Trichloroethane	5.00	ug/L	1.0	100	70	130			
1,1,2-Trichloroethane	4.92	ug/L	1.0	98	70	130			
Trichloroethene	4.64	ug/L	1.0	93	70	130			
Trichlorofluoromethane	4.80	ug/L	1.0	96	70	130			
1,2,3-Trichloropropane	5.52	ug/L	1.0	110	70	130			
Vinyl acetate	3.86	ug/L	1.0	77	70	130			
Vinyl chloride	4.56	ug/L	1.0	91	80	120			
m+p-Xylenes	9.28	ug/L	1.0	93	70	130			
o-Xylene	4.68	ug/L	1.0	94	70	130			
Xylenes, Total	14.0	ug/L	1.0	93	70	130			
Surr: 1,2-Dichloroethane-d4			1.0	101	70	130			
Surr: Dibromofluoromethane			1.0	98	70	130			
Surr: p-Bromofluorobenzene			1.0	108	70	130			
Surr: Toluene-d8			1.0	88	70	130			
Method: SW8260B									Batch: R29740
Sample ID: LCS	Laboratory Control Sample				Run: 1SATURN_060626A				06/26/06 11:24
Acetone	54.4	ug/L	20	109	70	130			
Acrylonitrile	54.4	ug/L	20	109	70	130			
Benzene	5.28	ug/L	1.0	106	70	130			
Bromochloromethane	5.04	ug/L	1.0	101	70	130			
Bromodichloromethane	4.64	ug/L	1.0	93	70	130			
Bromoform	5.84	ug/L	1.0	117	70	130			
Bromomethane	5.04	ug/L	1.0	101	70	130			
Carbon disulfide	4.76	ug/L	1.0	95	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: POA Public Works Department
Project: New Landfill

Report Date: 06/28/08
Work Order: H8060021

Analyte	Result	Units	Rl	Spike	Low Limit	High Limit	RPD	Prepared	Qual
Method:								Analyzed Run: ISATURN_080628A	
Sample ID:				Laboratory Control Validation Standard				06/28/08 18:23	
Benzene	5.56	ug/L	1.0		107		70		130
Bromobenzene	4.72	ug/L	1.0		94		60		130
Bromochloromethane	4.68	ug/L	1.0		94		70		130
Bromodichloromethane	5.29	ug/L	1.0		106		70		130
Bromoform	4.76	ug/L	1.0		95		60		130
Bromomethane	4.18	ug/L	2.0		83		30		130
n-Butylbenzene	4.82	ug/L	1.0		96		70		130
sec-Butylbenzene	4.72	ug/L	1.0		95		70		130
tert-Butylbenzene	4.72	ug/L	1.0		94		70		130
Carbon tetrachloride	5.40	ug/L	1.0		108		70		130
Chlorobenzene	4.86	ug/L	1.0		97		70		130
Chloroethane	5.04	ug/L	1.0		101		70		130
2-Chloroethylvinylether	5.12	ug/L	1.0		102		70		130
Chloroform	4.68	ug/L	1.0		94		70		130
Chloromethane	4.64	ug/L	1.0		93		70		130
2-Chlorotoluene	5.00	ug/L	1.0		100		70		130
4-Chlorotoluene	4.92	ug/L	1.0		98		70		130
Dibromochloromethane	4.84	ug/L	1.0		97		70		130
1,2-Dibromo-3-chloropropane	4.70	ug/L	1.0		94		70		130
1,2-Dibromoethane (EDB)	5.02	ug/L	1.0		100		70		130
Dibromomethane	5.08	ug/L	1.0		102		70		130
1,2-Dichlorobenzene	4.98	ug/L	1.0		99		70		130
1,3-Dichlorobenzene	4.94	ug/L	1.0		99		70		130
1,4-Dichlorobenzene	4.94	ug/L	1.0		99		70		130
Dichlorodifluoromethane	4.70	ug/L	1.0		94		30		130
1,1-Dichloroethane	5.02	ug/L	1.0		100		70		130
1,2-Dichloroethane	5.12	ug/L	1.0		102		70		130
1,1-Dichloroethylene	5.36	ug/L	1.0		107		70		130
cis-1,2-Dichloroethylene	4.56	ug/L	1.0		91		70		130
trans-1,2-Dichloroethylene	4.84	ug/L	1.0		97		70		130
1,2-Dichloropropane	5.02	ug/L	1.0		100		70		130
1,3-Dichloropropane	5.36	ug/L	1.0		107		70		130
2,2-Dichloropropane	4.58	ug/L	1.0		91		30		130
1,1-Dichloropropene	5.20	ug/L	1.0		104		70		130
cis-1,3-Dichloropropene	5.12	ug/L	1.0		102		70		130
trans-1,3-Dichloropropene	5.08	ug/L	1.0		102		70		130
Ethylbenzene	4.94	ug/L	1.0		99		70		130
Hexachlorobutadiene	4.84	ug/L	1.0		97		70		130
Isopropylbenzene	4.84	ug/L	1.0		97		70		130
p-Isopropyltoluene	4.84	ug/L	1.0		97		70		130
Methylene chloride	4.84	ug/L	5.0		97		70		130
Naphthalene	4.84	ug/L	1.0		97		70		130
n-Propylbenzene	4.84	ug/L	1.0		97		70		130
Styrene	4.84	ug/L	1.0		97		70		130
1,1,1,2-Tetrachloroethane	4.84	ug/L	1.0		97		70		130
1,1,2,2-Tetrachloroethane	4.84	ug/L	1.0		97		70		130
Tetrachloroethylene	4.84	ug/L	1.0		97		70		130
Toluene	4.84	ug/L	1.0		97		70		130
1,2,3-Trichlorobenzene	4.84	ug/L	1.0		97		70		130
1,2,4-Trichlorobenzene	4.84	ug/L	1.0		97		70		130
1,1,1-Trichloroethane	4.84	ug/L	1.0		97		70		130
1,1,2-Trichloroethane	4.84	ug/L	1.0		97		70		130
Trichloroethylene	4.84	ug/L	1.0		97		70		130
Trichlorofluoromethane	4.84	ug/L	1.0		97		70		130
1,2,3-Trichloropropane	4.84	ug/L	1.0		97		70		130
Vinyl acetate	4.84	ug/L	1.0		97		70		130
Vinyl chloride	4.84	ug/L	1.0		97		70		130
m+p-Xylene	4.84	ug/L	1.0		97		70		130
o-Xylene	4.84	ug/L	1.0		97		70		130
Xylenes, Total	14.0	ug/L	1.0		93		70		130
Surr: 1,2-Dichloroethane-d4			1.0		101		70		130
Surr: Dibromofluoromethane			1.0		98		70		130
Surr: p-Bromofluorobenzene			1.0		108		70		130
Surr: Toluene-d8			1.0		98		70		130

Analyte	Result	Units	Rl	Spike	Low Limit	High Limit	RPD	Prepared	Qual
Method:								Analyzed Run: ISATURN_080628A	
Sample ID:				Laboratory Control Sample				06/28/08 17:24	
Acetone	24.4	ug/L		20	122		70		130
Acrylonitrile	24.8	ug/L		20	124		70		130
Benzene	5.23	ug/L		1.0	105		70		130
Bromobenzene	5.34	ug/L		1.0	107		70		130
Bromochloromethane	4.64	ug/L		1.0	93		70		130
Bromodichloromethane	5.84	ug/L		1.0	117		70		130
Bromoform	5.84	ug/L		1.0	117		70		130
Bromomethane	5.84	ug/L		1.0	117		70		130
Carbon disulfide	4.72	ug/L		1.0	95		70		130

Qualifiers:

RL - Analyte reporting limit.

MD - Not detected at the reporting limit.

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QA/QC Summary Report

Client: BSB Public Works Department
Project: New Landfill

Report Date: 06/28/06
Work Order: H06060251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
									Batch: R29740
Method: SW8260B									
Sample ID: LCS	Laboratory Control Sample				Run: 1SATURN_060626A				06/26/06 11:24
Carbon tetrachloride	4.76	ug/L	1.0	95	70	130			
Chlorobenzene	4.88	ug/L	1.0	98	70	130			
Chlorodibromomethane	4.80	ug/L	1.0	96	70	130			
Chloroethane	5.28	ug/L	1.0	106	70	130			
Chloroform	4.76	ug/L	1.0	95	70	130			
Chloromethane	5.16	ug/L	1.0	103	70	130			
1,2-Dibromo-3-chloropropane	4.68	ug/L	1.0	94	70	130			
1,2-Dibromoethane	4.60	ug/L	1.0	92	70	130			
Dibromomethane	4.92	ug/L	1.0	98	70	130			
1,2-Dichlorobenzene	4.48	ug/L	1.0	90	70	130			
1,4-Dichlorobenzene	4.72	ug/L	1.0	94	70	130			
trans-1,4-Dichloro-2-butene	6.08	ug/L	1.0	122	70	130			
Dichlorodifluoromethane	5.20	ug/L	1.0	104	70	130			
1,1-Dichloroethane	5.00	ug/L	1.0	100	70	130			
1,2-Dichloroethane	5.40	ug/L	1.0	108	70	130			
1,1-Dichloroethene	5.28	ug/L	1.0	106	70	130			
cis-1,2-Dichloroethene	4.84	ug/L	1.0	97	70	130			
trans-1,2-Dichloroethene	4.80	ug/L	1.0	96	70	130			
1,2-Dichloropropane	4.60	ug/L	1.0	92	70	130			
cis-1,3-Dichloropropene	4.72	ug/L	1.0	94	70	130			
trans-1,3-Dichloropropene	5.04	ug/L	1.0	101	70	130			
Ethylbenzene	4.64	ug/L	1.0	93	70	130			
2-Hexanone	47.2	ug/L	20	94	70	130			
Iodomethane	4.56	ug/L	1.0	91	70	130			
Methyl ethyl ketone	51.2	ug/L	20	102	70	130			
Methyl isobutyl ketone	43.2	ug/L	20	86	70	130			
Methylene chloride	4.96	ug/L	1.0	99	70	130			
Styrene	4.64	ug/L	1.0	93	70	130			
1,1,1,2-Tetrachloroethane	4.92	ug/L	1.0	98	70	130			
1,1,2,2-Tetrachloroethane	5.24	ug/L	1.0	105	70	130			
Tetrachloroethene	4.64	ug/L	1.0	93	70	130			
Toluene	5.04	ug/L	1.0	101	70	130			
1,1,1-Trichloroethane	4.64	ug/L	1.0	93	70	130			
1,1,2-Trichloroethane	4.80	ug/L	1.0	96	70	130			
Trichloroethene	4.32	ug/L	1.0	86	70	130			
Trichlorofluoromethane	5.28	ug/L	1.0	106	70	130			
1,2,3-Trichloropropane	6.16	ug/L	1.0	123	70	130			
Vinyl acetate	4.20	ug/L	1.0	84	70	130			
Vinyl chloride	5.16	ug/L	1.0	103	70	130			
m+p-Xylenes	9.00	ug/L	1.0	90	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

GC/MS Summary Report

Client: ASB Public Works Department
Project: New Landfill

Report Date: 07/22/96
Work Order: H0500231

Analyte	Result	Units	DL	SPEC. Limits	High Limit	Low Limit	Date	Analyst	Qual
Instrument: SV0325B								Batch: H0499	
	Laboratory Control Sample							Volume: 1.0L	
Sample ID: LCS	4.16	ug/L	1.0	50	70	130			
Carbon tetrachloride	4.05	ug/L	1.0	50	70	130			
Chloroform	4.30	ug/L	1.0	50	70	130			
Chloromethane	3.20	ug/L	1.0	50	70	130			
Chloroethane	3.74	ug/L	1.0	50	70	130			
Chlorobenzene	3.19	ug/L	1.0	103	70	130			
Chloroform-d1	4.05	ug/L	1.0	94	70	130			
1,2-Dichloro-2-chloropropane	4.00	ug/L	1.0	50	70	130			
1,3-Dichlorobenzene	4.20	ug/L	1.0	55	70	130			
Dichlorodifluoromethane	4.20	ug/L	1.0	50	70	130			
1,2-Dichloroethane	4.27	ug/L	1.0	94	70	130			
1,2-Dichloroethane-d4	4.05	ug/L	1.0	122	70	130			
Dibromo-1,2-Dichloro-3-Chloro	3.20	ug/L	1.0	104	70	130			
Dichlorodifluoromethane	5.00	ug/L	1.0	109	70	130			
1,1-Dichloroethane	5.40	ug/L	1.0	106	70	130			
1,2-Dichloroethane	5.25	ug/L	1.0	97	70	130			
1,1-Dichloroethene	4.94	ug/L	1.0	99	70	130			
cis-1,2-Dichloroethene	4.60	ug/L	1.0	99	70	130			
trans-1,2-Dichloroethene	4.60	ug/L	1.0	94	70	130			
1,2-Dichloropropane	4.72	ug/L	1.0	107	70	130			
cis-1,3-Dichloropropene	5.04	ug/L	1.0	93	70	130			
trans-1,3-Dichloropropene	4.84	ug/L	30	94	70	130			
Ethylbenzene	4.72	ug/L	1.0	91	70	130			
2-Hexanone	4.50	ug/L	20	102	70	130			
Isopropylbenzene	4.17	ug/L	20	98	70	130			
Methyl ethyl ketone	4.32	ug/L	1.0	99	70	130			
Methyl isobutyl ketone	4.30	ug/L	1.0	95	70	130			
Methylene chloride	4.04	ug/L	1.0	93	70	130			
Styrene	4.02	ug/L	1.0	105	70	130			
1,1,2,2-Tetrachloroethane	3.34	ug/L	1.0	99	70	130			
1,1,2,2-Tetrachloroethane	4.54	ug/L	1.0	107	70	130			
Tetrachloroethene	3.04	ug/L	1.0	95	70	130			
Toluene	3.93	ug/L	1.0	93	70	130			
1,2,4-Trichlorobenzene	4.20	ug/L	1.0	83	70	130			
1,1,2-Trichloroethane	4.32	ug/L	1.0	104	70	130			
1,1,1-Trichloroethane	5.30	ug/L	1.0	122	70	130			
Trichloroethene	3.18	ug/L	1.0	94	70	130			
1,2,3-Trichloropropane	4.29	ug/L	1.0	102	70	130			
Vinyl acetate	5.30	ug/L	1.0	90	70	130			
Vinyl chloride	3.90	ug/L							
m-Xylene & p-Xylene									

Qualifiers:
DL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: BSB Public Works Department
Project: New Landfill

Report Date: 06/28/06
Work Order: H06060251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R29740
Sample ID: LCS	Laboratory Control Sample				Run: 1SATURN_060626A				06/26/06 11:24
o-Xylene	5.16	ug/L	1.0	103	70	130			
Xylenes, Total	14.2	ug/L	1.0	94	70	130			
Surr: 1,2-Dichloroethane-d4			1.0	104	70	130			
Surr: Dibromofluoromethane			1.0	96	70	130			
Surr: p-Bromofluorobenzene			1.0	109	70	130			
Surr: Toluene-d8			1.0	91	70	130			
Sample ID: MBLK	Method Blank				Run: 1SATURN_060626A				06/26/06 12:23
Acetone	ND	ug/L	20						
Acrylonitrile	ND	ug/L	20						
Benzene	ND	ug/L	1.0						
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
Carbon disulfide	ND	ug/L	1.0						
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
1,2-Dibromoethane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						
1,2-Dichlorobenzene	ND	ug/L	1.0						
1,4-Dichlorobenzene	ND	ug/L	1.0						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0						
Dichlorodifluoromethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						
1,2-Dichloroethane	ND	ug/L	1.0						
1,1-Dichloroethene	ND	ug/L	1.0						
cis-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						
1,2-Dichloropropane	ND	ug/L	1.0						
cis-1,3-Dichloropropene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						
Ethylbenzene	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						
Iodomethane	ND	ug/L	1.0						
Methyl ethyl ketone	ND	ug/L	20						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: BSB Public Works Department
Project: Five Lakehill

Report Date: 06/28/06
Work Order: 1006/0251

Analyte	Result	Units	RL	MRDC	Low Limit	High Limit	RPD	DF	Date	Time
Matrix: SW8260B										Batch: 5297/40
Sample ID: LCS		Laboratory Control Sample						Run: 15-TURN_06/28/06		06/28/06 11:34
m-Xylene	5.32	ug/L	1.0	100		70		130		
p-Xylene	14.2	ug/L	1.0	94		70		130		
Xylenes, Total			1.0	104		70		130		
Surr: 1,2-Dichlorobenzene-d4			1.0	97		70		130		
Surr: 1-bromofluorobenzene			1.0	100		70		130		
Surr: p-Bromofluorobenzene			1.0	91		70		130		
Surr: Toluene-d8										
Sample ID: MBLK		Method Blank						Run: 15A-TURN_06/28/06		06/28/06 12:23
Acetone	ND	ug/L	20							
Acrylonitrile	ND	ug/L	20							
Benzene	ND	ug/L	1.0							
Bromobenzene	ND	ug/L	1.0							
Bromochloromethane	ND	ug/L	1.0							
Bromodichloromethane	ND	ug/L	1.0							
Bromoform	ND	ug/L	1.0							
Bromomethane	ND	ug/L	1.0							
2-Butanone (MEK)	ND	ug/L	1.0							
Carbon disulfide	ND	ug/L	1.0							
Carbon tetrachloride	ND	ug/L	1.0							
Chlorobenzene	ND	ug/L	1.0							
Chloroethane	ND	ug/L	1.0							
Chloroform	ND	ug/L	1.0							
Chloromethane	ND	ug/L	1.0							
2-Chlorotoluene	ND	ug/L	1.0							
4-Chlorotoluene	ND	ug/L	1.0							
Dibromochloromethane	ND	ug/L	1.0							
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0							
1,2-Dibromoethane	ND	ug/L	1.0							
Dibromomethane	ND	ug/L	1.0							
1,2-Dichlorobenzene	ND	ug/L	1.0							
1,3-Dichlorobenzene	ND	ug/L	1.0							
1,4-Dichlorobenzene	ND	ug/L	1.0							
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0							
Dichlorodifluoromethane	ND	ug/L	1.0							
1,1-Dichloroethane	ND	ug/L	1.0							
1,2-Dichloroethane	ND	ug/L	1.0							
1,1-Dichloroethene	ND	ug/L	1.0							
cis-1,2-Dichloroethene	ND	ug/L	1.0							
trans-1,2-Dichloroethene	ND	ug/L	1.0							
1,2-Dichloropropane	ND	ug/L	1.0							
cis-1,3-Dichloropropene	ND	ug/L	1.0							
trans-1,3-Dichloropropene	ND	ug/L	1.0							
Ethylbenzene	ND	ug/L	1.0							
2-Hexanone	ND	ug/L	20							
Isobutanol	ND	ug/L	1.0							
Methyl ethyl ketone	ND	ug/L	20							

Qualifiers:
RL - Analyte reporting limit.
ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: BSB Public Works Department
Project: New Landfill

Report Date: 06/28/06
Work Order: H06060251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R29740
Sample ID: MBLK	Method Blank				Run: 1SATURN_060626A				06/26/06 12:23
Methyl isobutyl ketone	ND	ug/L	20						
Methylene chloride	ND	ug/L	1.0						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Xylenes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	105	70	130			
Surr: Dibromofluoromethane			1.0	92	70	130			
Surr: p-Bromofluorobenzene			1.0	110	70	130			
Surr: Toluene-d8			1.0	86	70	130			
Sample ID: Blank	Method Blank				Run: 1SATURN_060626A				06/27/06 11:28
Acetone	ND	ug/L	20						
Acrylonitrile	ND	ug/L	20						
Benzene	ND	ug/L	1.0						
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
Carbon disulfide	ND	ug/L	1.0						
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
1,2-Dibromoethane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						
1,2-Dichlorobenzene	ND	ug/L	1.0						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: 059 Public Works Department

Project: New Landfill

Report Date: 06/2016

Work Order: 1606090131

Analyte	Result	Units	Pq	Method Blank	Low Limit	High Limit	RPD	RPD Limit	Qual
Method: SW8260B								Batch: R0270	
Sample ID: MBLK	Method Blank			Run: 7SATURN_060206A				06/02/06 12:22	
Methylcyclohexane	ND	ug/L	20						
Methylene chloride	ND	ug/L	5.0						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	20						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylene	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Xylenes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	100	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	98	70	130			
Surr: 4-Bromofluorobenzene			1.0	110	70	130			
Surr: Toluene-d8			1.0	98	70	130			
Sample ID: 5ppb	Standard Solution			Run: 7SATURN_060206A				06/02/06 12:22	
Acetone	ND	ug/L	20						
Acrylonitrile	ND	ug/L	20						
Benzene	ND	ug/L	1.0						
Bromobenzene	ND	ug/L	1.0						
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
2-Butanone	ND	ug/L	20						
Carbon disulfide	ND	ug/L	1.0						
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorobromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
2-Chlorotoluene	ND	ug/L	1.0						
4-Chlorotoluene	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						
1,2-Dichlorobenzene	ND	ug/L	1.0						

Qualifiers:

pq - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: BSB Public Works Department
Project: New Landfill

Report Date: 06/28/06
Work Order: H06060251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R29740
Sample ID: Blank	Method Blank				Run: 1SATURN_060626A				06/27/06 11:28
1,4-Dichlorobenzene	ND	ug/L	1.0						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0						
Dichlorodifluoromethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						
1,2-Dichloroethane	ND	ug/L	1.0						
1,1-Dichloroethene	ND	ug/L	1.0						
cis-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						
1,2-Dichloropropane	ND	ug/L	1.0						
cis-1,3-Dichloropropene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						
Ethylbenzene	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						
Iodomethane	ND	ug/L	1.0						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methylene chloride	ND	ug/L	1.0						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Xylenes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	112	70	130			
Surr: Dibromofluoromethane			1.0	108	70	130			
Surr: p-Bromofluorobenzene			1.0	116	70	130			
Surr: Toluene-d8			1.0	95	70	130			
Sample ID: LCS	Laboratory Control Sample				Run: 1SATURN_060626A				06/27/06 12:07
Acetone	48.8	ug/L	20	98	70	130			
Acrylonitrile	51.2	ug/L	20	102	70	130			
Benzene	4.84	ug/L	1.0	97	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: [illegible] Public Works Department
Project: New Landfill

Report Date: 06/12/06
Work Order: [illegible]

Analyte	Result	Units	RL	MDEL	Low Limit	High Limit	RPD	RPD Limit	Date
Method: EM1200									Date: 06/07/06
Sample ID: Blank	Analyzed Blank						Run: 16A7LRN_060606A		06/07/06 17:36
1H-Tetrazole	ND	ug/L	1.0						
Para-1,4,Dichlorobenzene-2 Dioxine	ND	ug/L	1.0						
Dibenzo-dichlorobenzene	ND	ug/L	1.0						
1,1-Dichlorobenzene	ND	ug/L	1.0						
1,2-Dichlorobenzene	ND	ug/L	1.0						
1,4-Dichlorobenzene	ND	ug/L	1.0						
Cis-1,2 Dichloroethylene	ND	ug/L	1.0						
Trans-1,2-Dichloroethylene	ND	ug/L	1.0						
1,2-Dichloropropane	ND	ug/L	1.0						
Cis-1,3-Dichloropropene	ND	ug/L	1.0						
Trans-1,3-Dichloropropene	ND	ug/L	1.0						
Ethylbenzene	ND	ug/L	1.0						
Styrene	ND	ug/L	20						
Methylene Chloride	ND	ug/L	1.0						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methyl tert butyl ether	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethylene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylene	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Surrogate Total	ND	ug/L	1.0						
Bromo-1,2-dichloroethane-d4			1.0	112	70	130			
2-bromochlorobenzene			1.0	109	70	130			
1-bromo-4-chlorobenzene			1.0	110	70	130			
Toluene-d8			1.0	95	70	130			
Sample ID: LCS	Laboratory Control Sample						Run: 16A7LRN_060606A		06/07/06 17:07
Benzene	50.0	ug/L	1.0	98	70	130			
Chlorobenzene	50.2	ug/L	1.0	100	70	130			
Toluene	49.4	ug/L	1.0	97	70	130			

Qualifiers:
RL - Reporting limit.
ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: BSB Public Works Department
Project: New Landfill

Report Date: 06/28/06
Work Order: H06060251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R29740
Sample ID: LCS	Laboratory Control Sample				Run: 1SATURN_060626A				06/27/06 12:07
Bromochloromethane	4.96	ug/L	1.0	99	70	130			
Bromodichloromethane	4.64	ug/L	1.0	93	70	130			
Bromoform	4.68	ug/L	1.0	94	70	130			
Bromomethane	5.40	ug/L	1.0	108	70	130			
Carbon disulfide	4.80	ug/L	1.0	96	70	130			
Carbon tetrachloride	4.44	ug/L	1.0	89	70	130			
Chlorobenzene	4.48	ug/L	1.0	90	70	130			
Chlorodibromomethane	4.64	ug/L	1.0	93	70	130			
Chloroethane	5.60	ug/L	1.0	112	70	130			
Chloroform	4.68	ug/L	1.0	94	70	130			
Chloromethane	5.08	ug/L	1.0	102	70	130			
1,2-Dibromo-3-chloropropane	4.36	ug/L	1.0	87	70	130			
1,2-Dibromoethane	4.36	ug/L	1.0	87	70	130			
Dibromomethane	4.44	ug/L	1.0	89	70	130			
1,2-Dichlorobenzene	4.24	ug/L	1.0	85	70	130			
1,4-Dichlorobenzene	4.32	ug/L	1.0	86	70	130			
trans-1,4-Dichloro-2-butene	5.28	ug/L	1.0	106	70	130			
Dichlorodifluoromethane	5.00	ug/L	1.0	100	70	130			
1,1-Dichloroethane	4.64	ug/L	1.0	93	70	130			
1,2-Dichloroethane	4.88	ug/L	1.0	98	70	130			
1,1-Dichloroethene	4.88	ug/L	1.0	98	70	130			
cis-1,2-Dichloroethene	4.64	ug/L	1.0	93	70	130			
trans-1,2-Dichloroethene	4.56	ug/L	1.0	91	70	130			
1,2-Dichloropropane	4.44	ug/L	1.0	89	70	130			
cis-1,3-Dichloropropene	4.32	ug/L	1.0	86	70	130			
trans-1,3-Dichloropropene	4.80	ug/L	1.0	96	70	130			
Ethylbenzene	4.44	ug/L	1.0	89	70	130			
2-Hexanone	49.6	ug/L	20	99	70	130			
Iodomethane	4.48	ug/L	1.0	90	70	130			
Methyl ethyl ketone	51.6	ug/L	20	103	70	130			
Methyl isobutyl ketone	44.4	ug/L	20	89	70	130			
Methylene chloride	4.92	ug/L	1.0	98	70	130			
Styrene	4.00	ug/L	1.0	80	70	130			
1,1,1,2-Tetrachloroethane	4.32	ug/L	1.0	86	70	130			
1,1,2,2-Tetrachloroethane	4.72	ug/L	1.0	94	70	130			
Tetrachloroethene	4.52	ug/L	1.0	90	70	130			
Toluene	4.84	ug/L	1.0	97	70	130			
1,1,1-Trichloroethane	4.64	ug/L	1.0	93	70	130			
1,1,2-Trichloroethane	4.68	ug/L	1.0	94	70	130			
Trichloroethene	4.48	ug/L	1.0	90	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: [illegible] Public Works Department
Project: New Landfill

Report Date: 06/24/06
Work Order: [illegible]

Analyte	Result	Units	RL	MDEC	Low Limit	High Limit	RPD	RPD Limit	Qual
Method: EPA8260B								Batch: R237[illegible]	
Sample ID: LCS	Laboratory Control Sample					Run: [illegible]		06/23/06 [illegible]	
Bromodichloromethane	[illegible]	ug/L	1.0	[illegible]	70	130			
Bromodichloromethane	[illegible]	ug/L	1.0	[illegible]	70	130			
Bromoform	[illegible]	ug/L	1.0	[illegible]	70	130			
Bromomethane	[illegible]	ug/L	1.0	[illegible]	70	130			
Carbon disulfide	[illegible]	ug/L	1.0	[illegible]	70	130			
Carbon tetrachloride	[illegible]	ug/L	1.0	[illegible]	70	130			
Chlorobenzene	[illegible]	ug/L	1.0	[illegible]	70	130			
Chlorodibromomethane	[illegible]	ug/L	1.0	[illegible]	70	130			
Chloroethane	[illegible]	ug/L	1.0	[illegible]	70	130			
Chloroform	[illegible]	ug/L	1.0	[illegible]	70	130			
Chloromethane	[illegible]	ug/L	1.0	[illegible]	70	130			
1,2-Dibromo-3-chloropropane	[illegible]	ug/L	1.0	[illegible]	70	130			
1,2-Dichlorobenzene	[illegible]	ug/L	1.0	[illegible]	70	130			
1,3-Dichlorobenzene	[illegible]	ug/L	1.0	[illegible]	70	130			
1,4-Dichlorobenzene	[illegible]	ug/L	1.0	[illegible]	70	130			
1,2-Dichloroethane	[illegible]	ug/L	1.0	[illegible]	70	130			
1,1-Dichloroethane	[illegible]	ug/L	1.0	[illegible]	70	130			
trans-1,4-Dichloro-2-butene	[illegible]	ug/L	1.0	[illegible]	70	130			
Dichlorodifluoromethane	[illegible]	ug/L	1.0	[illegible]	70	130			
1,1-Dichloroethene	[illegible]	ug/L	1.0	[illegible]	70	130			
1,2-Dichloroethene	[illegible]	ug/L	1.0	[illegible]	70	130			
1,3-Dichloropropane	[illegible]	ug/L	1.0	[illegible]	70	130			
1,2-Dichloropropane	[illegible]	ug/L	1.0	[illegible]	70	130			
cis-1,3-Dichloropropene	[illegible]	ug/L	1.0	[illegible]	70	130			
trans-1,3-Dichloropropene	[illegible]	ug/L	1.0	[illegible]	70	130			
2,2-Dichloropropane	[illegible]	ug/L	1.0	[illegible]	70	130			
cis-1,2-Dichloroethene	[illegible]	ug/L	1.0	[illegible]	70	130			
trans-1,2-Dichloroethene	[illegible]	ug/L	1.0	[illegible]	70	130			
1,1-Dichloropropene	[illegible]	ug/L	1.0	[illegible]	70	130			
Ethylbenzene	[illegible]	ug/L	1.0	[illegible]	70	130			
2-Hexanone	[illegible]	ug/L	20	[illegible]	70	130			
Isopropylbenzene	[illegible]	ug/L	1.0	[illegible]	70	130			
Methyl ethyl ketone	[illegible]	ug/L	20	[illegible]	70	130			
Methyl isobutyl ketone	[illegible]	ug/L	20	[illegible]	70	130			
Methylene chloride	[illegible]	ug/L	1.0	[illegible]	70	130			
Styrene	[illegible]	ug/L	1.0	[illegible]	70	130			
1,1,1,2-Tetrachloroethane	[illegible]	ug/L	1.0	[illegible]	70	130			
1,1,2,2-Tetrachloroethane	[illegible]	ug/L	1.0	[illegible]	70	130			
Tetrachloroethene	[illegible]	ug/L	1.0	[illegible]	70	130			
Toluene	[illegible]	ug/L	1.0	[illegible]	70	130			
1,1,1-Trichloroethane	[illegible]	ug/L	1.0	[illegible]	70	130			
1,1,2-Trichloroethane	[illegible]	ug/L	1.0	[illegible]	70	130			
Trichloroethene	[illegible]	ug/L	1.0	[illegible]	70	130			

Qualifiers:
RL - Analyte reporting limit.
MDL - Method detection limit.

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QA/QC Summary Report

Client: BSB Public Works Department
Project: New Landfill

Report Date: 06/28/06
Work Order: H06060251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R29740
Sample ID: LCS	Laboratory Control Sample				Run: 1SATURN_060626A				06/27/06 12:07
Trichlorofluoromethane	5.24	ug/L	1.0	105	70	130			
1,2,3-Trichloropropane	4.28	ug/L	1.0	86	70	130			
Vinyl acetate	3.58	ug/L	1.0	72	70	130			
Vinyl chloride	5.00	ug/L	1.0	100	70	130			
m+p-Xylenes	8.48	ug/L	1.0	85	70	130			
o-Xylene	4.24	ug/L	1.0	85	70	130			
Xylenes, Total	12.7	ug/L	1.0	85	70	130			
Surr: 1,2-Dichloroethane-d4			1.0	106	70	130			
Surr: Dibromofluoromethane			1.0	98	70	130			
Surr: p-Bromofluorobenzene			1.0	106	70	130			
Surr: Toluene-d8			1.0	94	70	130			
Sample ID: H06060251-001AMS	Sample Matrix Spike				Run: 1SATURN_060626A				06/27/06 13:51
Acetone	102	ug/L	40	102	70	130			
Acrylonitrile	91.2	ug/L	40	91	70	130			
Benzene	11.4	ug/L	2.0	114	70	130			
Bromochloromethane	11.3	ug/L	2.0	113	70	130			
Bromodichloromethane	9.84	ug/L	2.0	98	70	130			
Bromoform	11.3	ug/L	2.0	113	70	130			
Bromomethane	10.6	ug/L	2.0	106	70	130			
Carbon disulfide	10.5	ug/L	2.0	105	70	130			
Carbon tetrachloride	10.6	ug/L	2.0	106	70	130			
Chlorobenzene	9.84	ug/L	2.0	98	70	130			
Chlorodibromomethane	9.28	ug/L	2.0	93	70	130			
Chloroethane	9.52	ug/L	2.0	95	70	130			
Chloroform	10.8	ug/L	2.0	108	70	130			
Chloromethane	9.60	ug/L	2.0	96	70	130			
1,2-Dibromo-3-chloropropane	10.4	ug/L	2.0	104	70	130			
1,2-Dibromoethane	9.36	ug/L	2.0	94	70	130			
Dibromomethane	9.60	ug/L	2.0	96	70	130			
1,2-Dichlorobenzene	8.72	ug/L	2.0	87	70	130			
1,4-Dichlorobenzene	9.04	ug/L	2.0	90	70	130			
trans-1,4-Dichloro-2-butene	10.3	ug/L	2.0	103	70	130			
Dichlorodifluoromethane	10.1	ug/L	2.0	101	70	130			
1,1-Dichloroethane	10.6	ug/L	2.0	106	70	130			
1,2-Dichloroethane	10.7	ug/L	2.0	107	70	130			
1,1-Dichloroethene	12.0	ug/L	2.0	120	70	130			
cis-1,2-Dichloroethene	9.60	ug/L	2.0	96	70	130			
trans-1,2-Dichloroethene	11.0	ug/L	2.0	110	70	130			
1,2-Dichloropropane	8.88	ug/L	2.0	89	70	130			
cis-1,3-Dichloropropene	9.44	ug/L	2.0	94	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: BSE Public Works Department
Project: New Landfill

Report Date: 10/2/03
Work Order: R0003021

Analyte	Result	Units	RL	MDL	Low Limit	High Limit	RPD	%R/Limit	Qual
Method: SW8260B									Batch: R27140
Sample ID: LCS	Laboratory Control Sample				Run: TSA7120H_030926A				09/27/03 12:07
Trichloroethylene	5.24	ug/L		1.0	70	130			
1,2,3-Trichlorobenzene	4.29	ug/L		1.0	70	130			
Vinyl acetate	5.49	ug/L		1.0	70	130			
Vinyl chloride	5.00	ug/L		1.0	70	130			
m-Xylene	5.48	ug/L		1.0	70	130			
o-Xylene	5.24	ug/L		1.0	70	130			
Xylenes, Total	10.7	ug/L		1.0	70	130			
Surrogate: Dibromofluoromethane				1.0	70	130			
Surrogate: Toluene-d8				1.0	70	130			
Surrogate: 4-Bromofluorobenzene				1.0	70	130			
Surrogate: 1,2-Dichloroethane-d4				1.0	70	130			
Sample ID: [illegible]	Sample Matrix: [illegible]				Run: TSA7120H_030926A				09/27/03 12:01
Acetone	102	ug/L		40	70	130			
Acrylonitrile	91.2	ug/L		40	70	130			
Benzene	11.4	ug/L		2.0	70	130			
Bromobenzene	11.6	ug/L		2.0	70	130			
Bromochloromethane	9.41	ug/L		2.0	70	130			
Bromodichloromethane	11.3	ug/L		2.0	70	130			
Bromoform	10.8	ug/L		2.0	70	130			
Bromomethane	10.5	ug/L		2.0	70	130			
n-Butylbenzene	10.6	ug/L		2.0	70	130			
sec-Butylbenzene	9.81	ug/L		2.0	70	130			
tert-Butylbenzene	8.58	ug/L		2.0	70	130			
Carbon tetrachloride	9.22	ug/L		2.0	70	130			
Chlorobenzene	10.6	ug/L		2.0	70	130			
Chloroethane	9.67	ug/L		2.0	70	130			
Chloroform	9.67	ug/L		2.0	70	130			
Chloromethane	10.4	ug/L		2.0	70	130			
2-Chlorotoluene	9.35	ug/L		2.0	70	130			
4-Chlorotoluene	9.60	ug/L		2.0	70	130			
Dibromomethane	8.72	ug/L		2.0	70	130			
1,2-Dichlorobenzene	9.09	ug/L		2.0	70	130			
1,3-Dichlorobenzene	10.2	ug/L		2.0	70	130			
1,4-Dichlorobenzene	10.1	ug/L		2.0	70	130			
Dichlorodifluoromethane	10.8	ug/L		2.0	70	130			
1,1-Dichloroethane	10.7	ug/L		2.0	70	130			
1,2-Dichloroethane	10.0	ug/L		2.0	70	130			
1,1-Dichloroethylene	9.00	ug/L		2.0	70	130			
cis-1,2-Dichloroethylene	11.0	ug/L		2.0	70	130			
trans-1,2-Dichloroethylene	8.88	ug/L		2.0	70	130			
1,2-Dichloropropane	8.44	ug/L		2.0	70	130			
cis-1,3-Dichloropropene									

Qualifiers:
RL - Analyte reporting limit

MDL - Not detected at the reporting limit

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QA/QC Summary Report

Client: BSB Public Works Department
Project: New Landfill

Report Date: 06/28/06
Work Order: H06060251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R29740
Sample ID: H06060251-001AMS	Sample Matrix Spike				Run: 1SATURN_060626A				06/27/06 13:51
trans-1,3-Dichloropropene	10.4	ug/L	2.0	104	70	130			
Ethylbenzene	9.84	ug/L	2.0	98	70	130			
2-Hexanone	87.2	ug/L	40	87	70	130			
Iodomethane	10.4	ug/L	2.0	104	70	130			
Methyl ethyl ketone	95.2	ug/L	40	95	70	130			
Methyl isobutyl ketone	81.6	ug/L	40	82	70	130			
Methylene chloride	11.4	ug/L	2.0	114	70	130			
Styrene	9.28	ug/L	2.0	93	70	130			
1,1,1,2-Tetrachloroethane	10.8	ug/L	2.0	108	70	130			
1,1,2,2-Tetrachloroethane	10.0	ug/L	2.0	100	70	130			
Tetrachloroethene	9.84	ug/L	2.0	98	70	130			
Toluene	10.0	ug/L	2.0	100	70	130			
1,1,1-Trichloroethane	10.8	ug/L	2.0	108	70	130			
1,1,2-Trichloroethane	9.28	ug/L	2.0	93	70	130			
Trichloroethene	8.80	ug/L	2.0	88	70	130			
Trichlorofluoromethane	10.6	ug/L	2.0	106	70	130			
1,2,3-Trichloropropane	10.0	ug/L	2.0	100	70	130			
Vinyl acetate	7.18	ug/L	2.0	72	70	130			
Vinyl chloride	10.1	ug/L	2.0	101	70	130			
m+p-Xylenes	19.6	ug/L	2.0	98	70	130			
o-Xylene	10.0	ug/L	2.0	100	70	130			
Xylenes, Total	29.6	ug/L	2.0	99	70	130			
Surr: 1,2-Dichloroethane-d4			2.0	105	70	130			
Surr: Dibromofluoromethane			2.0	108	70	130			
Surr: p-Bromofluorobenzene			2.0	106	70	130			
Surr: Toluene-d8			2.0	89	70	130			
Sample ID: H06060251-001AMSD	Sample Matrix Spike Duplicate				Run: 1SATURN_060626A				06/27/06 14:20
Acetone	88.8	ug/L	40	89	70	130	13	20	
Acrylonitrile	99.2	ug/L	40	99	70	130	8.4	20	
Benzene	11.5	ug/L	2.0	115	70	130	1.4	20	
Bromochloromethane	10.9	ug/L	2.0	109	70	130	3.6	20	
Bromodichloromethane	10.5	ug/L	2.0	105	70	130	6.3	20	
Bromoform	11.0	ug/L	2.0	110	70	130	2.9	20	
Bromomethane	9.52	ug/L	2.0	95	70	130	10	20	
Carbon disulfide	9.36	ug/L	2.0	94	70	130	11	20	
Carbon tetrachloride	11.2	ug/L	2.0	112	70	130	5.9	20	
Chlorobenzene	9.76	ug/L	2.0	98	70	130	0.8	20	
Chlorodibromomethane	9.84	ug/L	2.0	98	70	130	5.9	20	
Chloroethane	8.96	ug/L	2.0	90	70	130	6.1	20	
Chloroform	10.5	ug/L	2.0	105	70	130	3.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: [illegible] Public Works Department
Project: New Landfill

Report Date: 05/23/06
Work Order: 1106[illegible]

Analyte	Result	Units	RL	SPEC Limit	MDL	RPD	%RVals	Qual
Method: [illegible]								
Sample ID: [illegible]	Sample Matrix: Soils			Run: [illegible]				[illegible]
Iron	10.4	ug/L	2.0	104	70	130		
2,3-Dichlorophenol	9.24	ug/L	2.0	98	70	130		
2,6-Dichlorophenol	8.73	ug/L	40	87	70	130		
2-Hexanone	10.4	ug/L	2.0	104	70	130		
Iodomethane	10.2	ug/L	40	85	70	130		
Methyl ethyl ketone	81.3	ug/L	40	82	70	130		
Methyl isobutyl ketone	11.4	ug/L	2.0	114	70	130		
Methylene chloride	9.22	ug/L	2.0	92	70	130		
Styrene	11.2	ug/L	2.0	102	70	130		
1,1,1,2-Tetrachloroethane	10.0	ug/L	2.0	100	70	130		
1,1,2,2-Tetrachloroethane	9.84	ug/L	2.0	98	70	130		
Tetrachloroethene	10.0	ug/L	2.0	100	70	130		
Toluene	10.3	ug/L	2.0	103	70	130		
1,1,1-Trichloroethane	8.28	ug/L	2.0	83	70	130		
1,1,2-Trichloroethane	8.60	ug/L	2.0	86	70	130		
Trichloroethene	10.6	ug/L	2.0	106	70	130		
Trichlorofluoromethane	10.0	ug/L	2.0	100	70	130		
1,2,3-Trichloropropane	7.18	ug/L	2.0	72	70	130		
Vinyl acetate	10.1	ug/L	2.0	101	70	130		
Vinyl chloride	9.8	ug/L	2.0	98	70	130		
m+p-Xylenes	10.0	ug/L	2.0	100	70	130		
o-Xylene	9.9	ug/L	2.0	99	70	130		
Xylenes, Total	29.9	ug/L	2.0	100	70	130		
Surr: 1,2-Dichlorobenzene-d4			2.0	105	70	130		
Surr: Dibromofluoromethane			2.0	103	70	130		
Surr: p-Bromofluorobenzene			2.0	103	70	130		
Surr: Toluene-d8			2.0	99	70	130		
Sample ID: [illegible]	Sample Matrix: Soils			Run: [illegible]				[illegible]
Acetone	36.8	ug/L	40	92	70	130	13	20
Acrylonitrile	39.2	ug/L	40	98	70	130	8.4	20
Benzene	11.8	ug/L	2.0	118	70	130	1.4	20
Bromobenzene	10.9	ug/L	2.0	109	70	130	3.8	20
Bromochloromethane	12.5	ug/L	2.0	125	70	130	6.3	20
Bromodichloromethane	11.0	ug/L	2.0	110	70	130	2.9	20
Bromoform	9.69	ug/L	2.0	97	70	130	10	20
Bromomethane	6.36	ug/L	2.0	64	70	130	11	20
Carbon tetrachloride	11.2	ug/L	2.0	112	70	130	5.5	20
Chlorobenzene	9.79	ug/L	2.0	98	70	130	0.6	20
Chloroethane	9.84	ug/L	2.0	98	70	130	5.9	20
Chloroform	9.99	ug/L	2.0	100	70	130	6.5	20
Chloromethane	10.8	ug/L	2.0	108	70	130	3.0	20

Qualifiers:
RL - Analyte reporting limit.
MDL - Max detected at the reporting limit.

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QA/QC Summary Report

Client: BSB Public Works Department
Project: New Landfill

Report Date: 06/28/06
Work Order: H06060251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B								Batch: R29740	
Sample ID: H06060251-001AMSD	Sample Matrix Spike Duplicate				Run: 1SATURN_060626A			06/27/06 14:20	
Chloromethane	8.08	ug/L	2.0	81	70	130	17	20	
1,2-Dibromo-3-chloropropane	10.1	ug/L	2.0	101	70	130	3.1	20	
1,2-Dibromoethane	9.92	ug/L	2.0	99	70	130	5.8	20	
Dibromomethane	10.4	ug/L	2.0	104	70	130	8.0	20	
1,2-Dichlorobenzene	10.2	ug/L	2.0	102	70	130	15	20	
1,4-Dichlorobenzene	10.4	ug/L	2.0	104	70	130	14	20	
trans-1,4-Dichloro-2-butene	11.0	ug/L	2.0	110	70	130	6.7	20	
Dichlorodifluoromethane	8.80	ug/L	2.0	88	70	130	14	20	
1,1-Dichloroethane	11.4	ug/L	2.0	114	70	130	7.2	20	
1,2-Dichloroethane	11.8	ug/L	2.0	118	70	130	9.9	20	
1,1-Dichloroethene	10.6	ug/L	2.0	106	70	130	12	20	
cis-1,2-Dichloroethene	10.5	ug/L	2.0	105	70	130	8.8	20	
trans-1,2-Dichloroethene	10.6	ug/L	2.0	106	70	130	4.4	20	
1,2-Dichloropropane	10.9	ug/L	2.0	109	70	130	20	20	R
cis-1,3-Dichloropropene	10.2	ug/L	2.0	102	70	130	8.1	20	
[illegible] 1,3-Dichloropropene	10.2	ug/L	2.0	102	70	130	1.6	20	
	10.1	ug/L	2.0	101	70	130	2.4	20	
	96.0	ug/L	40	96	70	130	9.6	20	
	9.44	ug/L	2.0	94	70	130	9.7	20	
Methyl ethyl ketone	105	ug/L	40	105	70	130	9.6	20	
Methyl isobutyl ketone	89.6	ug/L	40	90	70	130	9.3	20	
Methylene chloride	11.2	ug/L	2.0	112	70	130	1.4	20	
Styrene	9.52	ug/L	2.0	95	70	130	2.6	20	
1,1,1,2-Tetrachloroethane	10.1	ug/L	2.0	101	70	130	6.9	20	
1,1,2,2-Tetrachloroethane	10.2	ug/L	2.0	102	70	130	2.4	20	
Tetrachloroethene	10.2	ug/L	2.0	102	70	130	3.2	20	
Toluene	10.4	ug/L	2.0	104	70	130	3.9	20	
1,1,1-Trichloroethane	10.1	ug/L	2.0	101	70	130	6.9	20	
1,1,2-Trichloroethane	9.92	ug/L	2.0	99	70	130	6.7	20	
Trichloroethene	10.3	ug/L	2.0	103	70	130	16	20	
Trichlorofluoromethane	9.60	ug/L	2.0	96	70	130	10	20	
1,2,3-Trichloropropane	10.6	ug/L	2.0	106	70	130	5.4	20	
Vinyl acetate	8.16	ug/L	2.0	82	70	130	13	20	
Vinyl chloride	8.56	ug/L	2.0	86	70	130	16	20	
m+p-Xylenes	18.7	ug/L	2.0	94	70	130	4.6	20	
o-Xylene	9.92	ug/L	2.0	99	70	130	0.8	20	
Xylenes, Total	28.6	ug/L	2.0	95	70	130	3.3	20	
Surr: 1,2-Dichloroethane-d4			2.0	113	70	130	0.0	20	
Surr: Dibromofluoromethane			2.0	104	70	130	0.0	20	
Surr: p-Bromofluorobenzene			2.0	108	70	130	0.0	20	

Qualifiers:

RL - Analyte reporting limit.
R - RPD exceeds advisory limit.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: DCH Public Works Department

Project: New Landfill

Report Date: 05/29/96

Work Order: H9506021J

Analyte	Result	Units	RL	MRED	Low Limit	High Limit	RPD	RPD Limit	Qual
Method: SW8260B									Batch: 6020J2
Sample ID: H9506024J-007A-MS1J					Run: 12A/MT1/05/96/0A				05/29/96 14:20
Surrogate Matrix Spike Duplicate									
Dichloromethane	2.00	ug/L	2.0	84	70	120	12	20	
1,2-Dichloro-2-butanone	50.1	ug/L	2.0	100	70	120	3.7	20	
1,2-DCE, mm-xylene	2.00	ug/L	2.0	99	70	121	5.8	20	
Chloroethane	10.1	ug/L	2.0	106	70	120	8.0	20	
1,2-Dichloroethane	10.2	ug/L	2.0	102	70	130	15	20	
1,4-Dichlorobenzene	10.4	ug/L	2.0	104	70	120	14	20	
Methylene chloride	11.0	ug/L	2.0	110	70	120	8.7	20	
Methyl-1,4-Dioxane & Sulfone	8.80	ug/L	2.0	88	70	120	14	20	
Dichlorodifluoromethane	11.4	ug/L	2.0	114	70	120	7.3	20	
1,1-Dichloroethane	17.8	ug/L	2.0	178	70	120	8.5	20	
1,2,3-Trichloropropane	10.6	ug/L	2.0	106	70	120	12	20	
1,1-Dichloroethane	10.7	ug/L	2.0	107	70	120	8.8	20	
cis-1,2-Dichloroethylene	10.0	ug/L	2.0	100	70	120	4.4	20	
trans-1,2-Dichloroethylene	10.0	ug/L	2.0	100	70	120	20	20	S
1,2,3-Dichlorobenzene	10.2	ug/L	2.0	102	70	120	8.7	20	
cis-1,3-Dichloropropene	10.2	ug/L	2.0	102	70	120	4.0	20	
Trans-1,3-Dichloropropene	10.2	ug/L	2.0	102	70	120	2.4	20	
1,2,3-Trichlorobenzene	10.1	ug/L	2.0	101	70	120	9.8	20	
Vinyl acetate	9.0	ug/L	10	90	70	130	6.7	20	
Vinyl chloride	9.04	ug/L	2.0	90	70	120	8.8	20	
Methyl ethyl ketone	103	ug/L	40	103	70	120	9.3	20	
Methyl isobutyl ketone	95.8	ug/L	40	96	70	130	7.4	20	
Methylene Chloride	11.2	ug/L	2.0	112	70	120	2.8	20	
Styrene	9.87	ug/L	2.0	99	70	120	6.0	20	
1,1,2,2-Tetrachloroethane	10.1	ug/L	2.0	101	70	120	2.4	20	
1,1,2,2-Tetrachloroethane	10.2	ug/L	2.0	102	70	120	3.0	20	
Tetrachloroethylene	10.2	ug/L	2.0	102	70	120	3.9	20	
Toluene	10.4	ug/L	2.0	104	70	120	4.0	20	
Toluene	10.1	ug/L	2.0	101	70	120	8.7	20	
1,1,1-Trichloroethane	9.99	ug/L	2.0	99	70	120	10	20	
1,1,2-Trichloroethane	10.3	ug/L	2.0	103	70	120	10	20	
Trichloroethene	9.60	ug/L	2.0	96	70	120	4.4	20	
Trichlorofluoromethane	10.0	ug/L	2.0	100	70	120	15	20	
1,2,3-Trichloropropane	9.10	ug/L	2.0	91	70	120	14	20	
Vinyl acetate	9.50	ug/L	2.0	95	70	120	4.6	20	
Vinyl chloride	10.7	ug/L	2.0	94	70	120	0.8	20	
o-p-Xylene	9.70	ug/L	2.0	97	70	120	3.3	20	
o-Xylene	10.0	ug/L	2.0	100	70	120	0.0	20	
Xylenes, Total	2.0		2.0	110	70	120	0.0	20	
Surr: 1,2-Dichloroethane-D4	2.0		2.0	104	70	120	0.0	20	
Surr: Dibromofluoromethane	2.0		2.0	105	70	120	0.0	20	
Surr: p-Bromofluorobenzene	2.0		2.0	105	70	120	0.0	20	

Qualifiers:

RL - Analyte reporting limit.

R - RPD exceeds advisory limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: BSB Public Works Department
Project: New Landfill

Report Date: 06/28/06
Work Order: H06060251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R29740
Sample ID: H06060251-001AMSD	Sample Matrix Spike Duplicate				Run: 1SATURN_060626A				06/27/06 14:20
Surr: Toluene-d8			2.0	88	70	130	0.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.